

96 0000



Serving the People of California

PROJECTIONS AND PLANNING INFORMATION



Bakersfield

Metropolitan Statistical Area
(Kern County)

INSTITUTE OF GOVERNMENTAL
STUDIES LIBRARY

NOV 18 1997

UNIVERSITY OF CALIFORNIA



Pete Wilson
Governor
STATE OF CALIFORNIA

Sandra R. Smoley
Secretary
HEALTH AND WELFARE AGENCY

Victoria L. Bradshaw
Director
EMPLOYMENT DEVELOPMENT DEPARTMENT

PROJECTIONS AND PLANNING INFORMATION

BAKERSFIELD METROPOLITAN STATISTICAL AREA (KERN COUNTY)

Mailing Address:

Employment Development Department
Labor Market Information Division
P.O. Box 826880
Sacramento, CA 94280-0001

For Additional Information For This County
Call Sarah Parker, (805) 395-2543
or (916) 262-2162

State of California
Health and Welfare Agency

PROJECTIONS AND PLANNING INFORMATION

BAKERFIELD METROPOLITAN STATISTICAL AREA (KERN COUNTY)

Report Period:
2000-2010
Source: U.S. Census Bureau, Census 2000
Data from the 2000 Census
Population Projections
for the County
of Kern, 2000-2010
Revised 2002

State of California
Health and Welfare Agency



LABOR MARKET INFORMATION DIVISION

MISSION

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

VISION

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.



LABOR MARKET INFORMATION DIVISION

MISSION

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE MAKE EDUCATIONAL, TRAINING, AND CAREER CHOICES.

VISION

WE ARE THE LEADER IN PROVIDING INFORMATION TO CALIFORNIANS AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE, AND EXPERT CONSULTING ORGANIZATION. AN ECONOMIC DEVELOPMENT AND GROWTH PARTNER AND A PRESTIGIOUS AND HIGHLY CREDITED ORGANIZATION.

Projections & Planning Information

Module A:

Introduction

Table of Contents

Module A: INTRODUCTION

Note to Readers	A-v
Area Profile	A-1
Population of the County and Selected Cities	A-2
Area Map	A-3
Population Estimates for California and Counties	A-4
The Occupational Information Network (O*NET)	A-5
Standard Occupational Classification (SOC)	A-6
EDD and Related Services	A-7

Digitized by the Internet Archive
in 2025 with funding from
State of California and California State Library

<https://archive.org/details/C124914555>

Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

Customers may choose some or all of the following modules:

Module A: Introduction *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

Module B: Labor Force *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

Module C: Wage and Salary Employment *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

Module D: Projections *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

Module E: Occupational Wages *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

Module F: Social and Economic Data *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

Kern County

Covering more than 8,000 square miles, Kern County is California's third-largest county in land area. Surrounding counties include Inyo, Kings, and Tulare to the north; Ventura and Los Angeles to the south; San Luis Obispo to the west; and San Bernardino to the east. About one-third of the county is situated on the flat valley floor at the extreme southern end of the San Joaquin Valley. Bakersfield, the largest of eleven incorporated cities, serves as the county seat of government; Delano, Ridgecrest, and Wasco are the next largest cities.

With its rich history of gold, oil and agricultural production, Kern County is sometimes referred to as "The Golden Empire." Today, Kern County consistently ranks among the top five most productive agricultural counties in the nation and is also one of the nation's leading petroleum producing counties.

Kern County's state of the art agricultural industry produces over 250 different crops, including thirty types of fruits and nuts; over forty types of vegetables; more than twenty field crops; as well as lumber, nursery stock, livestock, poultry, and dairy products. Grapes, citrus, almonds, cotton, and market milk are the county's top five crops.

With a major freeway system and due to its unique geographical positioning, Kern County has become the distribution center for some of the world's largest companies. Interstate 5 and State Highway 99 traverse the county in a north-south direction; State Highways 14, 33, and 58 also figure importantly in the county's transportation system.

Kern County
(Bakersfield Metropolitan Statistical Area)

Population of the County and Selected Cities
1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Total	403,089	543,477	661,645	685,800	21.7%	3.7%
Arvin	6,863	9,286	12,956	13,550	39.5%	4.6%
Bakersfield	105,611	174,820	247,057	254,400	41.3%	3.0%
California City	2,743	5,955	8,385	9,350	40.8%	11.5%
Delano	16,491	22,762	38,824	40,300	70.6%	3.8%
Maricopa	946	1,193	1,111	1,140	-6.9%	2.6%
McFarland	5,151	7,005	9,618	9,925	37.3%	3.2%
Ridgecrest	15,929	27,725	24,927	25,550	-10.1%	2.5%
Shafter	7,010	8,409	12,736	13,200	51.5%	3.6%
Taft	5,316	5,902	6,400	8,900	8.4%	39.1%
Tehachapi	4,126	5,791	10,957	11,450	89.2%	4.5%
Wasco	9,613	12,412	21,263	21,950	71.3%	3.2%
Balance of County	223,290	262,217	267,411	276,200	2.0%	3.3%

(a) Census of Population, April 1, 1980.

(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.

Kern County



Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.
Report E-1. Sacramento, California, May 2001.

O*NET

The Occupational Information Network

The *Occupational Information Network* (O*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O*NET was created for the general public to provide broad access to occupational information.

The O*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O*NET data collection and database will be maintained by the newly established National O*NET Consortium.

For further information contact O*NET:

O*NET Project
DOL Office of Policy and Research
200 Constitution Ave., NW, MS N5637
Washington, DC 20210
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

General Characteristics of the Revised SOC

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists (*minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

CalJOBS – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

Employer Advisory Councils work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us —
24 hours a day, seven days a week!

<http://www.calmis.ca.gov>

Data available on-line:

Agriculture Statewide and county employment and earnings data for selected crops and industries.

Demographics Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

Industry Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

Labor Force Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

Resources Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

Occupations Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

Visit our interactive on-line sites:

Labor Market Information for Economic Development (LMI4ED) Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

California Career & Training Information System (CaCTIS) Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

Publications and Information: Publications Desk (916) 262-2162

Internet Assistance: (916) 262-2213 or (916) 262-2340

Related Websites

Local Government

CA local government agencies

http://www.ceres.ca.gov/geo_area/counties

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

Projections & Planning Information

Module B:

Labor Force

Table of Contents

Module B: Labor Force

Introduction	B-v
Map	B-vi
Unemployment Rates	
United States, California and Counties	B-1
1990–2002 Annual Average Labor Force Data	B-2
1990–2002 Monthly Civilian Labor Force Data	B-3

Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

Civilian Labor Force includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

Civilian Employment includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

Civilian Unemployment includes those individuals who are not working but are able, available and looking for work.

Unemployment Rate is the number of unemployed individuals expressed as a percentage of the civilian labor force.

Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

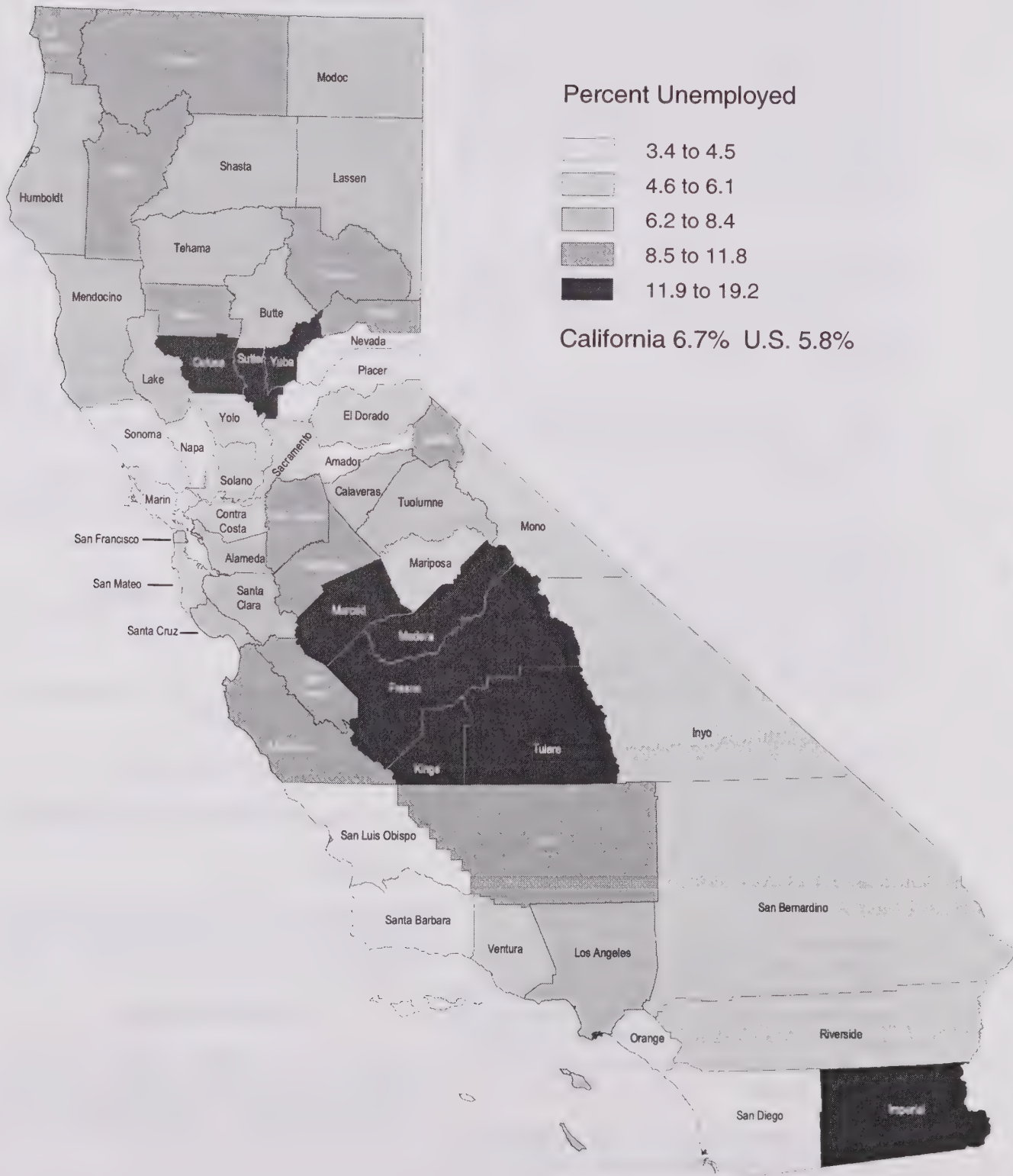
Electronic access to data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

County Unemployment Rates

2002 Annual Averages



United States, California and Counties
Unemployment Rates
2001, 2002 Annual Averages*

	2001	2002		2001	2002
U.S.	4.7	5.8			
CALIFORNIA	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

*March 2002 Benchmark figures.

Kern County
Civilian Labor Force, Employment and Unemployment
 (2002 Benchmark)
 Annual Averages 1990–2002

	Labor Force	Employment	Unemployment	Rate
2002	297,100	262,000	35,100	11.8%
2001	290,800	259,700	31,100	10.7%
2000	287,100	254,700	32,400	11.3%
1999	280,700	248,800	31,900	11.4%
1998	280,300	246,400	33,900	12.1%
1997	280,000	245,700	34,300	12.3%
1996	277,900	242,600	35,300	12.7%
1995	273,300	235,400	37,900	13.9%
1994	268,100	228,000	40,100	15.0%
1993	274,100	231,300	42,800	15.6%
1992	273,900	231,000	42,900	15.7%
1991	264,600	232,700	31,900	12.1%
1990	257,700	229,800	27,900	10.8%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Kern County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

	Labor Force	Employment	Unemployment	Rate
2002 January	291,800	254,300	37,500	12.8%
February	289,400	250,700	38,700	13.4%
March	291,500	250,800	40,700	14.0%
April	295,600	259,300	36,300	12.3%
May	296,400	265,000	31,400	10.6%
June	303,700	268,500	35,200	11.6%
July	304,400	269,900	34,500	11.3%
August	301,400	271,600	29,700	9.9%
September	298,900	269,300	29,600	9.9%
October	297,700	265,600	32,100	10.8%
November	296,400	260,200	36,200	12.2%
December	298,300	258,800	39,500	13.2%
Annual Average	297,100	262,000	35,100	11.8%
2001 January	285,400	249,600	35,800	12.5%
February	283,500	247,400	36,200	12.8%
March	284,100	246,300	37,800	13.3%
April	286,000	254,400	31,600	11.0%
May	286,900	259,000	27,900	9.7%
June	295,000	263,900	31,100	10.5%
July	297,700	269,100	28,600	9.6%
August	297,900	272,500	25,400	8.5%
September	298,100	272,900	25,200	8.5%
October	292,600	264,700	27,900	9.5%
November	291,800	259,700	32,100	11.0%
December	290,700	257,200	33,500	11.5%
Annual Average	290,800	259,700	31,100	10.7%
2000 January	278,200	243,200	35,000	12.6%
February	277,500	242,700	34,900	12.6%
March	280,300	241,600	38,800	13.8%
April	279,200	246,600	32,600	11.7%
May	284,800	254,400	30,400	10.7%
June	292,000	256,200	35,800	12.3%
July	298,200	266,300	32,000	10.7%
August	293,900	266,300	27,600	9.4%
September	292,800	266,700	26,200	8.9%
October	291,100	262,400	28,700	9.9%
November	289,000	255,300	33,700	11.7%
December	287,600	255,000	32,700	11.4%
Annual Average	287,100	254,700	32,400	11.3%

Kern County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1999	January	276,400	238,100	38,400	13.9%
	February	275,500	237,100	38,400	13.9%
	March	275,600	235,900	39,700	14.4%
	April	276,600	241,100	35,500	12.8%
	May	276,900	247,700	29,300	10.6%
	June	285,300	254,700	30,700	10.7%
	July	286,800	254,300	32,400	11.3%
	August	286,700	261,200	25,500	8.9%
	September	283,600	259,100	24,500	8.6%
	October	281,500	255,300	26,200	9.3%
	November	281,100	250,300	30,800	11.0%
	December	282,200	250,800	31,400	11.1%
	Annual Average	280,700	248,800	31,900	11.4%
1998	January	278,800	239,900	38,900	13.9%
	February	276,700	237,700	38,900	14.1%
	March	275,500	235,200	40,300	14.6%
	April	276,000	241,300	34,700	12.6%
	May	275,800	245,000	30,800	11.2%
	June	283,500	251,400	32,100	11.3%
	July	289,700	253,200	36,400	12.6%
	August	286,100	257,700	28,400	9.9%
	September	283,100	255,000	28,200	9.9%
	October	279,700	250,400	29,300	10.5%
	November	279,100	243,800	35,300	12.7%
	December	279,900	246,100	33,800	12.1%
	Annual Average	280,300	246,400	33,900	12.1%
1997	January	275,100	235,600	39,500	14.3%
	February	274,800	236,300	38,500	14.0%
	March	275,200	235,700	39,500	14.3%
	April	276,100	243,100	33,000	11.9%
	May	279,900	251,100	28,800	10.3%
	June	284,900	250,900	34,000	11.9%
	July	287,400	255,200	32,200	11.2%
	August	281,700	253,000	28,700	10.2%
	September	283,400	253,700	29,800	10.5%
	October	281,700	246,500	35,100	12.5%
	November	280,200	244,100	36,100	12.9%
	December	278,800	242,900	36,000	12.9%
	Annual Average	280,000	245,700	34,300	12.3%

Kern County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1996	January	268,200	228,000	40,100	15.0%
	February	268,700	227,900	40,800	15.2%
	March	268,200	227,700	40,500	15.1%
	April	272,900	237,700	35,200	12.9%
	May	274,300	244,500	29,700	10.8%
	June	281,300	246,700	34,600	12.3%
	July	290,400	257,700	32,700	11.3%
	August	286,400	256,100	30,300	10.6%
	September	285,100	253,400	31,800	11.1%
	October	278,900	242,800	36,000	12.9%
	November	280,500	243,500	37,100	13.2%
	December	280,200	245,100	35,100	12.5%
	Annual Average	277,900	242,600	35,300	12.7%
1995	January	270,300	229,000	41,300	15.3%
	February	268,200	226,000	42,200	15.7%
	March	266,400	224,300	42,100	15.8%
	April	270,500	233,400	37,100	13.7%
	May	269,800	233,800	36,000	13.3%
	June	276,800	241,000	35,800	12.9%
	July	286,300	248,600	37,700	13.2%
	August	281,100	249,000	32,100	11.4%
	September	278,600	245,600	33,000	11.9%
	October	270,800	232,800	38,000	14.0%
	November	270,800	230,400	40,400	14.9%
	December	269,100	230,500	38,600	14.4%
	Annual Average	273,300	235,400	37,900	13.9%
1994	January	268,000	223,300	44,700	16.7%
	February	268,600	222,600	46,000	17.1%
	March	266,800	221,300	45,500	17.1%
	April	264,400	224,500	39,900	15.1%
	May	268,400	231,100	37,300	13.9%
	June	274,400	233,300	41,100	15.0%
	July	273,600	234,700	38,900	14.2%
	August	270,200	233,700	36,500	13.5%
	September	268,400	232,300	36,100	13.5%
	October	267,400	228,000	39,400	14.7%
	November	266,800	227,200	39,600	14.8%
	December	261,400	224,500	36,900	14.1%
	Annual Average	268,100	228,000	40,100	15.0%

Kern County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1993	January	268,400	220,700	47,700	17.8%
	February	268,300	221,000	47,300	17.6%
	March	268,500	220,600	47,900	17.8%
	April	269,700	227,400	42,300	15.7%
	May	274,200	234,000	40,200	14.6%
	June	279,100	235,800	43,300	15.5%
	July	279,200	238,200	41,000	14.7%
	August	279,500	240,800	38,700	13.8%
	September	277,400	238,800	38,600	13.9%
	October	274,200	231,100	43,100	15.7%
	November	276,700	233,700	43,000	15.5%
	December	273,800	233,100	40,700	14.9%
	Annual Average	274,100	231,300	42,800	15.6%
1992	January	265,400	226,000	39,400	14.8%
	February	267,200	223,900	43,300	16.2%
	March	269,200	224,900	44,300	16.4%
	April	269,500	230,600	38,900	14.4%
	May	271,600	235,300	36,300	13.4%
	June	277,500	233,500	44,000	15.9%
	July	282,000	240,700	41,300	14.6%
	August	280,800	240,300	40,500	14.4%
	September	281,000	237,600	43,400	15.4%
	October	278,000	228,000	50,000	18.0%
	November	274,300	226,100	48,200	17.6%
	December	269,800	224,600	45,200	16.7%
	Annual Average	273,900	231,000	42,900	15.7%
1991	January	260,500	227,200	33,300	12.8%
	February	259,900	225,500	34,400	13.2%
	March	262,100	224,600	37,500	14.3%
	April	263,000	229,200	33,800	12.8%
	May	261,600	233,100	28,500	10.9%
	June	264,100	237,200	26,900	10.2%
	July	267,600	236,600	31,000	11.6%
	August	269,600	242,200	27,400	10.2%
	September	268,200	240,300	27,900	10.4%
	October	265,600	232,400	33,200	12.5%
	November	267,400	232,400	35,000	13.1%
	December	266,300	232,200	34,100	12.8%
	Annual Average	264,600	232,700	31,900	12.1%

Kern County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1990 January	249,400	222,200	27,200	10.9%
February	250,800	220,900	29,900	11.9%
March	251,500	220,300	31,100	12.4%
April	255,800	228,600	27,200	10.6%
May	259,200	233,700	25,500	9.8%
June	263,400	236,600	26,800	10.2%
July	273,800	247,300	26,500	9.7%
August	263,400	238,800	24,600	9.3%
September	255,700	230,400	25,200	9.9%
October	257,300	227,700	29,600	11.5%
November	256,900	225,500	31,500	12.2%
December	255,800	225,700	30,100	11.8%
Annual Average	257,700	229,800	27,900	10.8%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Projections & Planning Information

Module C:

Wage & Salary Employment

Table of Contents

Module C: Wage and Salary

Introduction	C-v
2000–2002 Annual Average Industry Employment Data	C-1
2000–2002 Monthly Industry Employment Data	C-2

Wage and Salary Employment

Industry employment data reflect jobs by “place of work” and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as “Benchmark data,” are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

Additional Sources of Information

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

Automated Access

Access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Total Wage and Salary	242,400	244,000	244,400
Total Farm	48,300	41,800	40,200
Total Nonfarm	194,100	202,200	204,200
Total Private	142,500	148,600	149,100
Goods Producing	30,600	32,700	32,200
Natural Resources and Mining	8,200	8,600	7,800
Residual-Mining, except Oil and Gas	1,200	1,100	1,100
Residual-Oil and Gas Extraction, Well Drilling and Support Activities	7,000	7,500	6,800
Construction	11,600	13,000	13,600
Manufacturing	10,800	11,100	10,800
Durable Goods	5,500	5,500	5,400
Nondurable Goods	5,300	5,600	5,400
Food Manufacturing	3,400	3,500	3,500
Residual-Beverage and Tobacco Product Mfg	2,000	2,100	1,900
Service Providing	163,500	169,600	172,000
Trade, Transportation and Utilities	37,200	38,400	38,900
Wholesale Trade	5,700	5,900	6,100
Retail Trade	23,200	24,200	24,600
Food and Beverage Stores	4,900	5,200	5,200
Clothing and Clothing Accessories Stores	1,300	1,300	1,400
General Merchandise Stores	4,400	4,500	4,500
Department Stores	3,700	3,700	3,700
Other General Merchandise Stores	700	800	800
Residual-Miscellaneous Store Retailers	12,600	13,200	13,400
Transportation, Warehousing and Utilities	8,400	8,300	8,300
Information	2,500	2,500	2,500
Financial Activities	7,600	7,800	8,000
Finance and Insurance	4,900	4,900	5,100
Real Estate and Rental and Leasing	2,700	2,800	2,900
Professional and Business Services	22,200	23,000	23,500
Professional, Scientific and Technical Services	6,900	8,500	8,400
Management of Companies and Enterprises	5,000	5,000	4,900
Administrative and Support and Waste Services	10,400	9,500	10,100
Employment Services	4,500	3,700	4,200
Residual-Waste Management and Remediation Services	5,900	5,800	6,000
Educational and Health Services	19,200	20,200	19,800
Educational Services	1,200	1,100	1,300
Health Care and Social Assistance	18,000	19,100	18,500
Ambulatory Health Care Services	7,600	8,200	8,400
Hospitals	5,200	4,800	3,600
Nursing and Residential Care Facilities	3,200	3,600	3,700
Social Assistance	2,100	2,600	2,700

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Leisure and Hospitality	16,500	17,200	17,400
Arts, Entertainment, and Recreation	1,700	1,800	1,800
Accommodation and Food Service	14,800	15,400	15,600
Accommodation	1,600	1,700	1,700
Food Services and Drinking Places	13,200	13,700	13,900
Limited-Service Eating Places	7,800	8,100	8,100
Residual-Full-Service Restaurants	5,400	5,700	5,800
Other Services	6,700	6,800	6,800
Government	51,600	53,600	55,200
Federal Government	9,700	9,400	9,500
Department of Defense	6,100	6,000	6,200
Other Federal Government	3,600	3,400	3,300
State and Local Government	42,000	44,200	45,600
State Government	6,900	7,000	7,100
State Government Education	1,200	1,300	1,300
Other State Government	5,700	5,700	5,800
Local Government	35,100	37,200	38,500
Local Government Education	22,700	23,900	24,900
County	8,500	9,200	9,300
City	2,100	2,100	2,300
Other Local Government	1,800	1,900	2,000

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total Wage and Salary	227,600	227,900	225,900	238,400	243,100	246,500	254,700	254,500	257,400	249,400	241,100	242,100	242,400
Total Farm	37,800	37,100	33,200	45,400	48,000	50,500	63,400	63,500	62,400	52,500	42,700	42,900	48,300
Total Nonfarm	189,800	190,800	192,700	193,000	195,100	196,000	191,300	191,000	195,000	196,900	198,400	199,200	194,100
Total Private	137,900	138,900	139,900	140,300	141,800	143,000	144,600	145,000	144,400	143,700	144,500	145,700	142,500
Goods Producing	28,500	28,900	29,500	29,800	30,400	30,900	31,400	31,500	31,600	31,500	31,500	31,900	30,600
Natural Resources and Mining	7,600	7,800	8,000	7,800	7,900	8,000	8,400	8,600	8,600	8,500	8,600	8,700	8,200
Residual-Mining, except Oil and Gas	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,100	1,100	1,200	1,200
Residual-Oil and Gas Ext, Well Drilling and Support Act	6,500	6,600	6,800	6,600	6,700	6,800	7,200	7,400	7,400	7,400	7,500	7,500	7,000
Construction	10,600	10,700	10,800	11,100	11,500	11,800	12,000	12,000	12,100	12,100	12,100	12,300	11,800
Manufacturing	10,300	10,400	10,700	10,900	11,000	11,100	11,000	10,900	10,900	10,900	10,800	10,900	10,800
Durable Goods	5,100	5,100	5,400	5,600	5,700	5,700	5,700	5,600	5,600	5,600	5,500	5,600	5,500
Nondurable Goods	5,200	5,300	5,300	5,300	5,300	5,400	5,300	5,300	5,300	5,300	5,300	5,300	5,300
Food Manufacturing	3,400	3,400	3,500	3,300	3,300	3,400	3,300	3,300	3,400	3,300	3,300	3,300	3,400
Residual-Beverage and Tobacco Product Mfg	1,800	1,900	1,800	2,000	2,000	2,000	2,000	2,000	1,900	2,000	2,000	2,000	2,000
Service Providing	161,300	161,900	163,200	163,200	164,700	165,100	159,900	159,500	163,400	165,400	166,900	167,300	163,500
Trade, Transportation and Utilities	36,200	36,200	36,300	36,500	36,900	37,000	37,600	37,800	37,600	37,600	38,300	38,800	37,200
Wholesale Trade	5,500	5,500	5,500	5,600	5,700	5,700	5,800	5,800	5,700	5,800	5,800	5,800	5,700
Retail Trade	22,700	22,600	22,700	22,600	22,900	23,000	23,100	23,200	23,200	23,300	24,100	24,600	23,200
Food and Beverage Stores	4,800	4,800	4,800	4,800	4,800	4,800	4,900	4,900	4,900	5,000	5,000	5,100	4,900
Clothing and Clothing Accessories Stores	1,200	1,200	1,200	1,200	1,200	1,200	1,300	1,300	1,300	1,300	1,400	1,400	1,300
General Merchandise Stores	4,400	4,300	4,200	4,100	4,200	4,300	4,300	4,300	4,300	4,500	5,100	5,200	4,400
Department Stores	3,700	3,600	3,500	3,500	3,500	3,600	3,600	3,700	3,600	3,700	4,300	4,400	3,700
Other General Merchandise Stores	700	700	700	600	700	700	700	600	700	800	800	800	700
Residual-Miscellaneous Store Retailers	12,300	12,300	12,500	12,500	12,700	12,700	12,600	12,700	12,700	12,500	12,600	12,900	12,600
Transportation, Warehousing and Utilities	8,000	8,100	8,100	8,300	8,300	8,300	8,700	8,800	8,700	8,500	8,400	8,400	8,400
Information	2,500	2,500	2,500	2,500	2,500	2,500	2,600	2,500	2,500	2,500	2,500	2,500	2,500
Financial Activities	7,600	7,700	7,700	7,500	7,600	7,500	7,600	7,500	7,500	7,500	7,500	7,600	7,600
Finance and Insurance	4,900	4,900	5,000	4,900	4,900	4,900	4,900	4,800	4,800	4,800	4,800	4,800	4,900
Real Estate and Rental and Leasing	2,700	2,800	2,700	2,600	2,700	2,600	2,700	2,700	2,700	2,700	2,700	2,800	2,700
Professional and Business Services	22,100	22,100	22,100	21,900	21,900	22,200	22,200	22,500	22,200	22,000	22,400	22,500	22,200
Professional, Scientific and Technical Services	6,600	6,800	6,800	6,800	6,700	6,800	6,800	6,900	6,900	6,900	7,000	7,200	6,900

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Management of Companies and Enterprises	5,100	5,100	5,000	5,000	4,900	4,900	4,900	4,900	4,900	4,800	5,100	5,100	5,000
Administrative and Support and Waste Services	10,400	10,200	10,300	10,100	10,300	10,500	10,500	10,700	10,400	10,300	10,300	10,200	10,400
Employment Services	4,500	4,300	4,500	4,300	4,600	4,700	4,700	4,700	4,500	4,300	4,500	4,400	4,500
Residual-Waste Management and Remediation Services	5,900	5,900	5,800	5,800	5,700	5,800	5,800	6,000	5,900	6,000	5,800	5,800	5,900
Educational and Health Services	18,600	18,900	19,000	19,100	19,200	19,400	19,500	19,400	19,500	19,200	19,200	19,300	19,200
Educational Services	1,100	1,100	1,200	1,200	1,200	1,200	1,100	1,100	1,200	1,200	1,200	1,200	1,200
Health Care and Social Assistance	17,500	17,800	17,800	17,900	18,000	18,200	18,400	18,300	18,300	18,000	18,000	18,100	18,000
Ambulatory Health Care Services	7,300	7,400	7,400	7,400	7,400	7,500	7,700	7,600	7,700	7,700	7,700	8,000	7,600
Hospitals	5,200	5,200	5,200	5,300	5,300	5,300	5,300	5,200	5,300	4,900	4,900	4,900	5,200
Nursing and Residential Care Facilities	3,000	3,100	3,100	3,200	3,200	3,200	3,200	3,200	3,200	3,300	3,400	3,400	3,200
Social Assistance	2,000	2,100	2,100	2,000	2,100	2,200	2,200	2,300	2,100	2,100	2,000	1,800	2,100
Leisure and Hospitality	15,900	16,100	16,200	16,400	16,700	16,900	17,100	16,900	16,700	16,600	16,400	16,400	16,500
Arts, Entertainment, and Recreation	1,600	1,700	1,600	1,700	1,800	1,800	1,900	1,800	1,800	1,600	1,600	1,600	1,700
Accommodation and Food Service	14,300	14,400	14,600	14,700	14,900	15,100	15,200	15,100	14,900	15,000	14,800	14,800	14,800
Accommodation	1,500	1,500	1,600	1,700	1,700	1,700	1,700	1,700	1,600	1,600	1,600	1,600	1,600
Food Services and Drinking Places	12,800	12,900	13,000	13,000	13,200	13,400	13,500	13,400	13,300	13,400	13,200	13,200	13,200
Limited-Service Eating Places	7,500	7,500	7,600	7,600	7,700	7,800	7,900	7,900	7,700	8,000	7,900	7,900	7,800
Residual-Full-Service Restaurants	5,300	5,400	5,400	5,400	5,500	5,600	5,600	5,500	5,600	5,400	5,300	5,300	5,400
Other Services	6,500	6,500	6,600	6,600	6,600	6,600	6,600	6,900	6,800	6,800	6,700	6,700	6,700
Government	51,900	51,900	52,800	52,700	53,300	53,000	46,700	46,000	50,600	53,200	53,900	53,500	51,600
Federal Government	9,500	9,500	9,800	9,900	10,500	9,800	9,800	9,600	9,500	9,400	9,400	9,400	9,700
Department of Defense	6,100	6,100	6,000	6,100	6,100	6,200	6,200	6,200	6,100	6,000	6,000	6,000	6,100
Other Federal Government	3,400	3,400	3,800	3,800	4,400	3,600	3,600	3,400	3,400	3,400	3,400	3,400	3,600
State and Local Government	42,400	42,400	43,000	42,800	42,800	43,200	36,900	36,400	41,100	43,800	44,500	44,100	42,000
State Government	6,800	6,900	6,900	6,800	6,800	6,900	6,700	6,700	6,800	7,000	7,000	6,900	6,900
State Government Education	1,200	1,300	1,300	1,200	1,200	1,200	1,000	1,000	1,100	1,300	1,300	1,200	1,200
Other State Government	5,600	5,600	5,600	5,600	5,600	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700
Local Government	35,600	35,500	36,100	36,000	36,000	36,300	30,200	29,700	34,300	36,800	37,500	37,200	35,100
Local Government Education	23,400	23,300	24,100	24,100	23,900	24,000	17,900	17,100	21,500	23,900	24,600	24,500	22,700
County	8,100	8,100	8,100	8,100	8,200	8,300	8,400	8,800	8,800	8,800	8,900	8,900	8,500
City	2,200	2,200	2,200	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Other Local Government	1,900	1,900	1,700	1,700	1,800	1,900	1,800	1,700	1,900	2,000	1,900	1,700	1,800

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total Wage and Salary	232,900	230,200	229,500	239,000	244,800	251,300	253,900	257,600	260,000	247,500	241,700	239,500	244,000
Total Farm	33,600	30,100	28,000	36,800	41,900	46,000	56,000	57,500	58,200	43,300	35,900	33,700	41,800
Total Nonfarm	199,300	200,100	201,500	202,200	202,900	205,300	197,900	200,100	201,800	204,200	205,800	205,800	202,200
Total Private	146,100	146,200	147,300	147,600	148,300	149,700	149,500	149,800	149,300	149,400	150,200	150,100	148,600
Goods Producing	31,600	31,800	32,200	32,600	32,800	33,100	33,200	33,500	33,300	32,900	32,600	32,300	32,700
Natural Resources and Mining	8,500	8,500	8,600	8,600	8,600	8,700	8,700	8,800	8,700	8,700	8,600	8,500	8,600
Residual-Mining, except Oil and Gas	1,200	1,100	1,200	1,100	1,100	1,200	1,200	1,200	1,100	1,100	1,100	1,100	1,100
Residual-Oil and Gas Ext, Well Drilling and Support Act	7,300	7,400	7,400	7,500	7,500	7,500	7,500	7,600	7,600	7,600	7,500	7,400	7,500
Construction	12,100	12,300	12,700	13,000	13,100	13,200	13,300	13,600	13,400	13,100	13,000	12,900	13,000
Manufacturing	11,000	11,000	10,900	11,000	11,100	11,200	11,200	11,100	11,200	11,100	11,000	10,900	11,100
Durable Goods	5,400	5,400	5,400	5,500	5,400	5,500	5,500	5,500	5,500	5,400	5,500	5,400	5,500
Nondurable Goods	5,600	5,600	5,500	5,500	5,700	5,700	5,700	5,600	5,700	5,700	5,500	5,500	5,600
Food Manufacturing	3,600	3,600	3,500	3,400	3,600	3,600	3,600	3,500	3,600	3,600	3,500	3,400	3,500
Residual-Beverage and Tobacco Product Mfg	2,000	2,000	2,000	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,000	2,100	2,100
Service Providing	167,700	168,300	169,300	169,600	170,100	172,200	164,700	166,600	168,500	171,300	173,200	173,500	169,600
Trade, Transportation and Utilities	38,300	37,800	38,000	38,100	38,200	38,600	38,400	38,200	38,100	38,600	39,200	39,300	38,400
Wholesale Trade	5,700	5,700	5,700	5,900	5,900	6,000	5,900	5,900	5,900	6,000	6,000	6,000	5,900
Retail Trade	24,300	23,900	24,000	24,000	24,000	24,300	24,000	23,800	23,800	24,200	24,800	25,100	24,200
Food and Beverage Stores	5,300	5,300	5,400	5,300	5,300	5,300	5,200	5,100	5,000	5,100	5,100	5,000	5,200
Clothing and Clothing Accessories Stores	1,400	1,300	1,300	1,200	1,200	1,200	1,300	1,300	1,300	1,400	1,500	1,600	1,300
General Merchandise Stores	4,500	4,300	4,300	4,400	4,400	4,400	4,300	4,300	4,400	4,500	5,000	5,100	4,500
Department Stores	3,800	3,500	3,600	3,600	3,600	3,600	3,500	3,500	3,600	3,700	4,100	4,200	3,700
Other General Merchandise Stores	700	800	700	800	800	800	800	800	800	800	900	900	800
Residual-Miscellaneous Store Retailers	13,100	13,000	13,000	13,100	13,100	13,400	13,200	13,100	13,100	13,200	13,200	13,400	13,200
Transportation, Warehousing and Utilities	8,300	8,200	8,300	8,200	8,300	8,300	8,500	8,500	8,400	8,400	8,400	8,200	8,300
Information	2,500	2,500	2,500	2,600	2,600	2,700	2,600	2,500	2,500	2,500	2,500	2,500	2,500
Financial Activities	7,600	7,600	7,600	7,700	7,700	7,900	7,800	7,800	7,800	7,800	7,800	7,900	7,800
Finance and Insurance	4,800	4,800	4,800	4,900	4,900	5,000	4,900	4,900	4,900	5,000	5,000	5,000	4,900
Real Estate and Rental and Leasing	2,800	2,800	2,800	2,800	2,800	2,900	2,900	2,900	2,900	2,800	2,800	2,900	2,800
Professional and Business Services	23,100	23,100	23,200	22,700	22,700	23,000	22,600	23,000	22,700	23,200	23,500	23,500	23,000
Professional, Scientific and Technical Services	8,200	8,300	8,300	8,300	8,100	8,200	8,200	8,500	8,500	8,900	9,000	9,100	8,500

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Management of Companies and Enterprises	5,100	5,200	5,100	5,000	4,900	4,900	4,900	5,000	5,000	5,000	5,100	5,100	5,000
Administrative and Support and Waste Services	9,800	9,600	9,800	9,400	9,700	9,900	9,500	9,500	9,200	9,300	9,400	9,300	9,500
Employment Services	4,100	3,900	4,100	3,600	3,700	4,100	3,700	3,700	3,400	3,500	3,500	3,500	3,700
Residual-Waste Management and Remediation Services	5,700	5,700	5,700	5,800	6,000	5,800	5,800	5,800	5,800	5,800	5,900	5,800	5,800
Educational and Health Services	20,100	20,300	20,300	19,900	19,900	20,000	20,300	20,300	20,300	20,300	20,400	20,500	20,200
Educational Services	1,000	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,200	1,200	1,100
Health Care and Social Assistance	19,100	19,200	19,200	18,800	18,800	18,900	19,200	19,200	19,200	19,200	19,200	19,300	19,100
Ambulatory Health Care Services	7,800	8,000	8,100	8,000	8,100	8,100	8,300	8,300	8,300	8,400	8,400	8,400	8,200
Hospitals	5,100	5,100	4,900	4,700	4,700	4,700	4,700	4,700	4,700	4,600	4,600	4,500	4,800
Nursing and Residential Care Facilities	3,400	3,500	3,500	3,500	3,500	3,500	3,600	3,600	3,600	3,600	3,700	3,800	3,800
Social Assistance	2,800	2,600	2,700	2,600	2,500	2,600	2,600	2,600	2,600	2,600	2,500	2,600	2,600
Leisure and Hospitality	16,400	16,500	16,900	17,200	17,500	17,600	17,700	17,600	17,500	17,200	17,300	17,300	17,200
Arts, Entertainment, and Recreation	1,600	1,600	1,700	1,800	1,900	1,900	2,000	1,900	1,900	1,700	1,800	1,800	1,800
Accommodation and Food Service	14,800	14,900	15,200	15,400	15,600	15,700	15,700	15,700	15,600	15,500	15,500	15,500	15,400
Accommodation	1,600	1,600	1,600	1,700	1,800	1,800	1,700	1,900	1,700	1,700	1,700	1,600	1,700
Food Services and Drinking Places	13,200	13,300	13,600	13,700	13,800	13,900	14,000	13,800	13,900	13,800	13,800	13,900	13,700
Limited-Service Eating Places	7,800	7,900	8,000	7,900	8,000	8,100	8,300	8,200	8,200	8,000	8,100	8,100	8,100
Residual-Full-Service Restaurants	5,400	5,400	5,600	5,800	5,800	5,800	5,700	5,600	5,700	5,800	5,700	5,800	5,700
Other Services	6,500	6,600	6,600	6,800	6,900	6,800	6,900	6,900	7,100	6,900	6,900	6,800	6,800
Government	53,200	53,900	54,200	54,600	54,600	55,600	48,400	50,300	52,500	54,800	55,600	55,700	53,600
Federal Government	9,300	9,300	9,300	9,300	9,400	9,400	9,600	9,600	9,600	9,400	9,400	9,400	9,400
Department of Defense	6,000	6,000	6,000	6,000	6,000	6,000	6,100	6,100	6,100	6,000	6,000	6,100	6,000
Other Federal Government	3,300	3,300	3,300	3,300	3,400	3,400	3,500	3,500	3,500	3,400	3,400	3,300	3,400
State and Local Government	43,900	44,600	44,900	45,300	45,200	46,200	38,800	40,700	42,900	45,400	46,200	46,300	44,200
State Government	7,000	7,100	7,000	7,000	7,100	7,000	6,900	6,900	6,900	7,200	7,100	7,100	7,000
State Government Education	1,300	1,400	1,300	1,300	1,300	1,300	1,100	1,100	1,100	1,400	1,400	1,400	1,300
Other State Government	5,700	5,700	5,700	5,700	5,800	5,700	5,800	5,800	5,800	5,800	5,700	5,700	5,700
Local Government	36,900	37,500	37,900	38,300	38,100	39,200	31,900	33,800	36,000	38,200	39,100	39,200	37,200
Local Government Education	24,100	24,400	25,100	25,300	24,900	25,700	18,400	20,300	22,400	24,600	25,500	25,800	23,900
County	8,900	9,000	9,000	9,100	9,200	9,300	9,300	9,400	9,400	9,400	9,400	9,400	9,200
City	2,000	2,100	2,000	2,100	2,100	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,100
Other Local Government	1,900	2,000	1,800	1,800	1,900	2,000	2,000	1,900	2,000	2,000	2,000	1,800	1,900

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total Wage and Salary	233,500	230,000	230,000	240,700	248,800	254,200	252,700	255,600	255,800	248,200	242,300	240,600	244,400
Total Farm	31,300	27,200	24,700	34,800	41,800	46,100	52,400	54,800	54,200	43,800	36,500	34,300	40,200
Total Nonfarm	202,200	202,800	205,300	205,900	207,000	208,100	200,300	200,800	201,600	204,400	205,800	206,300	204,200
Total Private	147,100	147,500	148,800	149,400	150,700	151,000	148,700	149,300	148,700	148,800	149,200	149,400	149,100
Goods Producing	31,900	31,900	32,200	32,000	32,100	32,200	32,700	32,900	32,700	32,700	32,000	31,500	32,200
Natural Resources and Mining	8,200	8,000	7,900	7,700	7,700	7,700	7,800	7,900	7,800	7,800	7,700	7,800	7,800
Residual-Mining, except Oil and Gas	1,100	1,000	1,000	1,000	1,100	1,000	1,000	1,100	1,100	1,100	1,100	1,100	1,100
Residual-Oil and Gas Ext, Well Drilling and Support Act	7,100	7,000	6,900	6,700	6,600	6,700	6,800	6,800	6,700	6,700	6,600	6,700	6,800
Construction	12,900	13,100	13,400	13,400	13,500	13,600	14,000	14,100	13,900	14,100	13,900	13,400	13,600
Manufacturing	10,800	10,800	10,900	10,900	10,900	10,900	10,900	10,900	11,000	10,800	10,400	10,300	10,800
Durable Goods	5,200	5,300	5,400	5,400	5,400	5,400	5,400	5,500	5,500	5,400	5,300	5,200	5,400
Nondurable Goods	5,600	5,500	5,500	5,500	5,500	5,500	5,500	5,400	5,500	5,400	5,100	5,100	5,400
Food Manufacturing	3,600	3,500	3,500	3,600	3,600	3,500	3,600	3,600	3,600	3,500	3,300	3,200	3,500
Residual-Beverage and Tobacco Product Mfg	2,000	2,000	2,000	1,900	1,900	2,000	1,900	1,800	1,900	1,900	1,800	1,900	1,900
Service Providing	170,300	170,900	173,100	173,900	174,900	175,900	167,600	167,900	168,900	171,700	173,800	174,800	172,000
Trade, Transportation and Utilities	38,000	37,800	38,100	38,500	38,800	39,000	39,000	39,000	39,000	39,300	40,100	40,400	38,900
Wholesale Trade	6,000	6,000	6,000	6,000	6,000	6,100	6,200	6,200	6,100	6,200	6,200	6,100	6,100
Retail Trade	24,000	23,700	24,000	24,400	24,600	24,800	24,400	24,400	24,500	24,600	25,300	25,900	24,600
Food and Beverage Stores	5,100	5,000	5,000	5,200	5,300	5,300	5,300	5,300	5,300	5,300	5,300	5,400	5,200
Clothing and Clothing Accessories Stores	1,500	1,400	1,400	1,400	1,400	1,400	1,300	1,400	1,300	1,300	1,400	1,500	1,400
General Merchandise Stores	4,600	4,300	4,400	4,400	4,500	4,400	4,300	4,300	4,300	4,400	4,900	5,100	4,500
Department Stores	3,800	3,500	3,600	3,600	3,600	3,600	3,500	3,500	3,500	3,600	4,000	4,100	3,700
Other General Merchandise Stores	800	800	800	800	900	800	800	800	800	800	900	1,000	800
Residual-Miscellaneous Store Retailers	12,800	13,000	13,200	13,400	13,400	13,700	13,500	13,400	13,600	13,600	13,700	13,900	13,400
Transportation, Warehousing and Utilities	8,000	8,100	8,100	8,100	8,200	8,100	8,400	8,400	8,400	8,500	8,600	8,400	8,300
Information	2,600	2,600	2,600	2,600	2,600	2,500	2,500	2,400	2,400	2,400	2,400	2,400	2,500
Financial Activities	7,700	7,800	7,900	8,000	7,900	8,000	8,000	8,000	8,000	8,000	8,000	8,100	8,000
Finance and Insurance	4,900	4,900	4,900	5,100	5,100	5,100	5,100	5,100	5,100	5,200	5,200	5,200	5,100
Real Estate and Rental and Leasing	2,800	2,900	3,000	2,900	2,800	2,900	2,900	2,900	2,900	2,800	2,800	2,900	2,900
Professional and Business Services	23,200	23,300	23,400	23,200	23,300	23,400	23,400	23,800	23,800	23,500	23,700	23,700	23,500
Professional, Scientific and Technical Services	8,800	8,800	8,600	8,300	8,100	8,200	8,300	8,400	8,400	8,300	8,200	8,400	8,400

*March 2002 Benchmark figures.

Kern County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Management of Companies and Enterprises	5,100	5,000	5,000	5,000	5,000	4,900	4,800	4,900	4,900	4,900	4,900	4,900	4,900
Administrative and Support and Waste Services	9,300	9,500	9,800	9,900	10,200	10,300	10,300	10,500	10,500	10,300	10,600	10,400	10,100
Employment Services	3,500	3,700	3,900	3,900	4,100	4,300	4,200	4,500	4,500	4,300	4,500	4,400	4,200
Residual-Waste Management and Remediation Services	5,800	5,800	5,900	6,000	6,100	6,000	6,100	6,000	6,000	6,000	6,100	6,000	6,000
Educational and Health Services	20,100	20,300	20,400	20,700	20,900	21,000	18,700	18,800	18,700	19,100	19,200	19,400	19,800
Educational Services	1,200	1,200	1,300	1,300	1,300	1,300	1,200	1,200	1,200	1,300	1,300	1,400	1,300
Health Care and Social Assistance	18,900	19,100	19,100	19,400	19,600	19,700	17,500	17,600	17,500	17,800	17,900	18,000	18,500
Ambulatory Health Care Services	8,200	8,200	8,300	8,300	8,400	8,500	8,300	8,400	8,400	8,500	8,600	8,600	8,400
Hospitals	4,500	4,600	4,600	4,700	4,700	4,700	2,600	2,600	2,600	2,600	2,700	2,700	3,600
Nursing and Residential Care Facilities	3,700	3,700	3,700	3,700	3,800	3,800	3,700	3,700	3,700	3,800	3,800	3,800	3,700
Social Assistance	2,500	2,600	2,500	2,700	2,700	2,700	2,900	2,900	2,800	2,900	2,800	2,900	2,700
Leisure and Hospitality	16,800	16,900	17,300	17,600	18,100	18,100	17,600	17,600	17,400	17,100	17,000	17,000	17,400
Arts, Entertainment, and Recreation	1,600	1,600	1,700	1,800	2,000	2,000	2,000	1,900	1,800	1,700	1,800	1,800	1,800
Accommodation and Food Service	15,200	15,300	15,600	15,800	16,100	16,100	15,600	15,700	15,600	15,400	15,200	15,200	15,600
Accommodation	1,700	1,700	1,800	1,700	1,800	1,800	1,700	1,800	1,700	1,600	1,600	1,600	1,700
Food Services and Drinking Places	13,500	13,600	13,800	14,100	14,300	14,300	13,900	13,900	13,900	13,800	13,600	13,600	13,900
Limited-Service Eating Places	7,900	7,900	8,100	8,400	8,400	8,400	8,000	8,000	8,000	7,900	7,800	7,800	8,100
Residual-Full-Service Restaurants	5,600	5,700	5,700	5,700	5,900	5,900	5,900	5,900	5,900	5,900	5,800	5,800	5,800
Other Services	6,800	6,900	6,900	6,800	7,000	6,800	6,800	6,800	6,700	6,700	6,800	6,900	6,800
Government	55,100	55,300	56,500	56,500	56,300	57,100	51,600	51,500	52,900	55,600	56,600	56,900	55,200
Federal Government	9,300	9,300	9,400	9,300	9,500	9,600	9,700	9,800	9,700	9,700	9,600	9,600	9,500
Department of Defense	6,000	6,000	6,100	6,100	6,200	6,200	6,300	6,400	6,300	6,300	6,300	6,300	6,200
Other Federal Government	3,300	3,300	3,300	3,200	3,300	3,400	3,400	3,400	3,400	3,400	3,300	3,300	3,300
State and Local Government	45,800	46,000	47,100	47,200	46,800	47,500	41,900	41,700	43,200	45,900	47,000	47,300	45,600
State Government	7,100	7,200	7,200	7,200	7,200	7,200	6,900	6,900	7,000	7,200	7,100	7,300	7,100
State Government Education	1,400	1,500	1,500	1,500	1,400	1,400	1,100	1,100	1,100	1,300	1,400	1,400	1,300
Other State Government	5,700	5,700	5,700	5,700	5,800	5,800	5,800	5,800	5,900	5,900	5,700	5,900	5,800
Local Government	38,700	38,800	39,900	40,000	39,600	40,300	35,000	34,800	36,200	38,700	39,900	40,000	38,500
Local Government Education	25,300	25,000	26,100	26,300	25,900	26,600	21,300	21,300	22,700	25,200	26,400	26,600	24,900
County	9,400	9,500	9,500	9,500	9,500	9,400	9,300	9,200	9,100	9,100	9,100	9,100	9,300
City	2,200	2,200	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,400	2,300
Other Local Government	1,800	2,100	2,000	1,900	1,900	2,000	2,100	2,000	2,100	2,100	2,100	1,900	2,000

*March 2002 Benchmark figures.

Projections & Planning Information

Module D:

Projections

TABLE OF CONTENTS

MODULE D: INDUSTRY AND OCCUPATIONAL PROJECTIONS	PAGE
Introduction	D-v
Description of Industry and Occupational Tables.....	D-viii
Training Level Definitions.....	D-xi
Table 1 - Employment by Major Industry	D-1
Table 2 - Industry Employment Projections	D-2
Table 3 - Employment by Major Occupational Group	D-4
Table 4 - Occupations with the Greatest Absolute Job Growth	D-5
Table 5 - Occupations with the Fastest Job Growth	D-7
Table 6 - Occupational Employment Projections	D-9
Table 7 - Occupations with the Most Openings	D-31
Table 8 - Occupations with Projected Declines	D-33
Appendix	End of Section
Alphabetical Index of Occupations	
Standard Industrial Classification Manual (SIC)-1987	
North American Industry Classification System (NAICS)	
Projection Methods and Economic Assumptions	

INTRODUCTION

to Industry and Occupational Projections

Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

Remember that these data are estimates. They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

Do not use these projections as your sole source of information. Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

Projections employment data are annual averages. These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

Employment levels stated reflect workers who are covered by the Unemployment Insurance program. As a result, industries that are made up largely of individuals who are

self-employed will be understated. Examples include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

Occupational Projections

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the

very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

Additional Sources of Information

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles

- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2213 or (916) 262-2340. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

Description Of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

Agriculture, Forestry, and Fishing (SIC 01-09) includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

Mining (SIC 10-14) includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

Construction (SIC 15-17) includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

Manufacturing (SIC 20-39) includes establishments which are usually described as plants, factories, or mills that are engaged in producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

Transportation and Public Utilities (SIC 40-49) includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

Wholesale Trade (SIC 50-51) includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

Retail Trade (SIC 52-59) includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

Finance, Insurance, and Real Estate (SIC 60-67) includes banks, savings and loan institutions, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

Services (SIC 70-89) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

Government includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

Industry Tables

Employment By Major Industry -Table 1

This table shows 1997 estimated employment and 2004 projected employment along with the percentage of total employment for each major industry division.

Employment By Industry - Table 2

This table shows employment and projected employment by industry. The number of jobs is estimated for 1997 and projected for 2004. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1997 and 2004. The "Percent Change" column is the growth rate over the seven-year period.

Occupational groups are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

Managers And Administrative occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

Professional, Paraprofessional, And Technical occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

Sales And Related occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

Clerical And Administrative Support occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

Service Occupations prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

Agricultural, Forestry, And Fishing occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

Production, Construction, Operating, Maintenance, and Material Handling are skilled, semi-skilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

Occupational Tables

Employment By Major Occupational Group - Table 3

This table shows 1997 and 2004 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

Occupations With The Greatest Absolute Job Growth - Table 4

This table lists the 50 occupations that are projected to register the largest absolute change between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1997-2004 period.

Occupations With The Fastest Job Growth - Table 5

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

Occupational Employment Projections - Table 6

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1997 and 2004. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed

table. The same line numbers are used in all area reports for 1997-2004. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

Occupations With The Most Openings - Table 7 (Growth Plus Separations)

This table lists the occupations that are projected to register the largest absolute growth and separations between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1997-2004 period.

Occupations With Projected Decline - Table 8

This table lists the occupations that are projected to decline over the 1997-2004 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on the job training category and laborers placed in the short-term on the job training category. Of course there is more than one way to qualify for a job. In this classification system the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. First professional degree. Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

2. Doctoral degree. Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

3. Master's degree. Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

4. Bachelor's or higher and some work experience. Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

5. Bachelor's degree. Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

6. Associate degree. Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

7. Post-secondary vocational education. Occupations that require completion of vocational school training.

8. Work experience. Occupations that require skills obtained through work experience in a related occupation.

9. Long-term on-the-job training. Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

10. Moderate-term on-the-job training. Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

11. Short-term on-the-job-training. Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

Table 1
Employment By Major Industry (1)
1997 - 2004 Annual Averages
KERN COUNTY

INDUSTRY	1997 (2)	PERCENT OF TOTAL	2004	PERCENT OF TOTAL
TOTAL NONFARM	179,200	100.0%	210,800	100.0%
MINING	10,400	5.8%	10,400	4.9%
CONSTRUCTION	8,800	4.9%	11,000	5.2%
MANUFACTURING	9,600	5.4%	11,000	5.2%
TRANSPORTATION & PUBLIC UTILITIES	9,900	5.5%	11,400	5.4%
TRADE	42,600	23.8%	46,200	21.9%
FINANCE, INSURANCE, & REAL ESTATE	6,600	3.7%	7,000	3.3%
SERVICES	43,000	24.0%	58,500	27.8%
GOVERNMENT	48,200	26.9%	55,300	26.2%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 1998 benchmark.

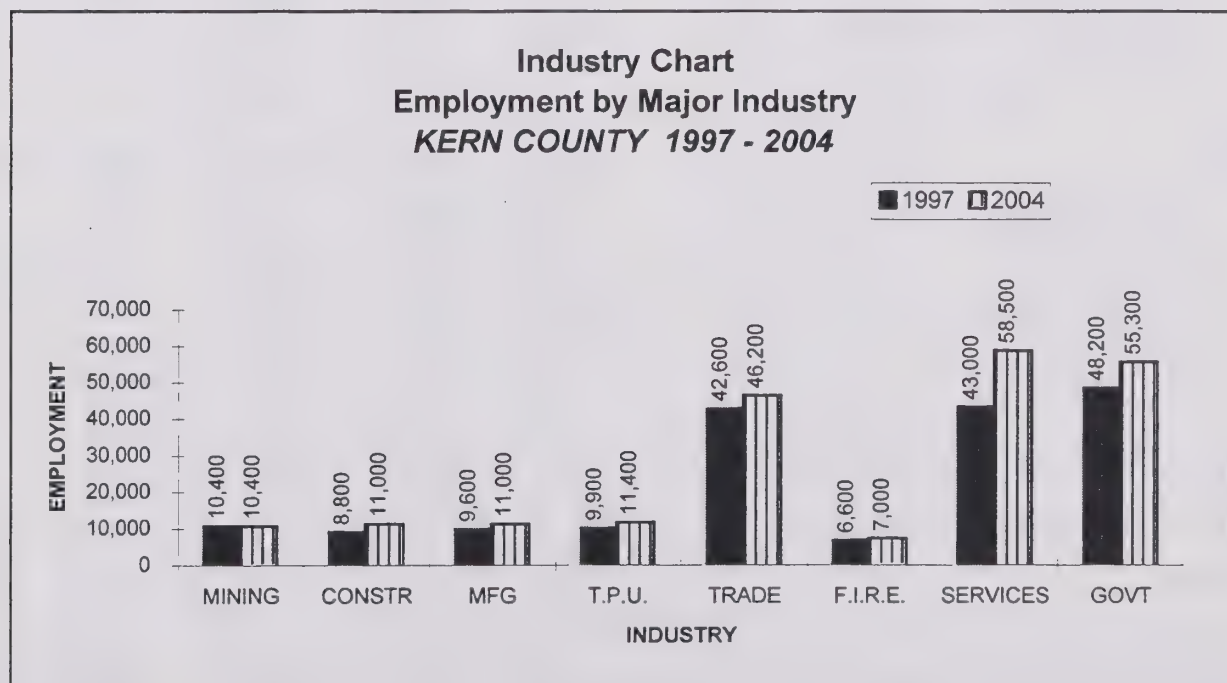


Table 2
Industry Employment Projections (1)
1997-2004
KERN COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1997 (2)	2004		
TOTAL NONFARM	10-99(ex88) 074,075,078	179,200	210,800	31,600	17.6%
GOODS PRODUCING	10-39	28,800	32,400	3,600	12.5%
MINING	10-14	10,400	10,400	0	0.0%
CONSTRUCTION	15-17	8,800	11,000	2,200	25.0%
MANUFACTURING	20-39	9,600	11,000	1,400	14.6%
Durable Goods	24,25,32-39	5,700	6,300	600	10.5%
Machinery & Electric Equipment	35,36	1,800	2,000	200	11.1%
Transportation Equipment	37	1,200	1,400	200	16.7%
Other Durable Goods		2,600	2,900	300	11.5%
Nondurable Goods	20-23,26-31	4,000	4,700	700	17.5%
Food & Kindred Products	20	1,700	2,100	400	23.5%
Chemicals, Petroleum, & Coal Products	28,29	700	700	0	0.0%
Other Nondurable Goods		1,500	1,900	400	26.7%
SERVICE PRODUCING	40-99(ex88) 074,075,078	150,300	178,400	28,100	18.7%
TRANSPORTATION AND PUBLIC UTILITIES	40-42,44-49	9,900	11,400	1,500	15.2%
Transportation	40-42,44-47	6,600	7,400	800	12.1%
Trucking & Warehousing	42	4,100	4,500	400	9.8%
Other Transportation		2,500	2,900	400	16.0%
Communications and Public Utilities	48,49	3,300	4,000	700	21.2%
Communications	48	1,700	2,000	300	17.6%
Electric, Gas, & Sanitary Services	49	1,600	2,000	400	25.0%
TRADE	50-59	42,600	46,200	3,600	8.5%
Wholesale Trade	50,51	8,100	9,100	1,000	12.3%
Wholesale-Durable	50	4,500	5,200	700	15.6%
Wholesale-Nondurable	51	3,600	3,900	300	8.3%
Retail Trade	52-59	34,500	37,100	2,600	7.5%
General Merchandise and Apparel	53,56	5,600	5,300	-300	-5.4%
Food Stores	54	5,300	5,600	300	5.7%
Eating and Drinking Places	58	12,200	13,600	1,400	11.5%
Other Retail Trade		11,400	12,600	1,200	10.5%
FINANCE, INSURANCE, & REAL ESTATE	60-65,67	6,600	7,000	400	6.1%
Finance	60-62,67	2,900	2,800	-100	-3.4%
Other Finance, Insurance, & Real Estate		3,800	4,200	400	10.5%
SERVICES	70-89 074,075,078	43,000	58,500	15,500	36.0%
Business Services	73	10,100	16,300	6,200	61.4%
Health Services	80	12,800	16,800	4,000	31.3%
Engineering & Management	87	4,000	5,000	1,000	25.0%
Other Services		16,100	20,400	4,300	26.7%

Table 2
Industry Employment Projections (1)
1997-2004

KERN COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1997 (2)	2004		
GOVERNMENT		48,200	55,300	7,100	14.7%
Federal Government		10,200	9,800	-400	-3.9%
State and Local Government		38,000	45,500	7,500	19.7%
State Government		6,300	8,700	2,400	38.1%
State Education		1,000	1,300	300	30.0%
Other State Government		5,300	7,400	2,100	39.6%
Local Government		31,800	36,800	5,000	15.7%
Local Education		20,300	25,100	4,800	23.6%
Local Noneducation		11,500	11,700	200	1.7%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 1998 benchmark.

Table 3
Employment by Major Occupational Group
1997 - 2004 Annual Averages
KERN COUNTY

OCCUPATIONAL GROUP	1997	PERCENT OF TOTAL	2004	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	179,200	100.0%	210,800	100.0%	31,600	17.6%
MANAGERS AND ADMIN OCCUPATIONS	10,520	5.9%	12,420	5.9%	1,900	18.1%
PROFESSIONAL, PARAPROF, TECHNICAL	42,560	23.8%	52,620	25.0%	10,060	23.6%
SALES AND RELATED OCCUPATIONS	19,790	11.0%	21,840	10.4%	2,050	10.4%
CLERICAL, ADMINISTRATIVE SUPPORT	30,470	17.0%	34,460	16.3%	3,990	13.1%
SERVICE OCCUPATIONS	30,780	17.2%	36,430	17.3%	5,650	18.4%
AGRICULTURAL, FORESTRY, FISHING	2,230	1.2%	2,770	1.3%	540	24.2%
PROD, CONST, OPER, MAT HANDLING	42,650	23.8%	50,020	23.7%	7,370	17.3%

(1) Total is based on the March 1998 benchmark.

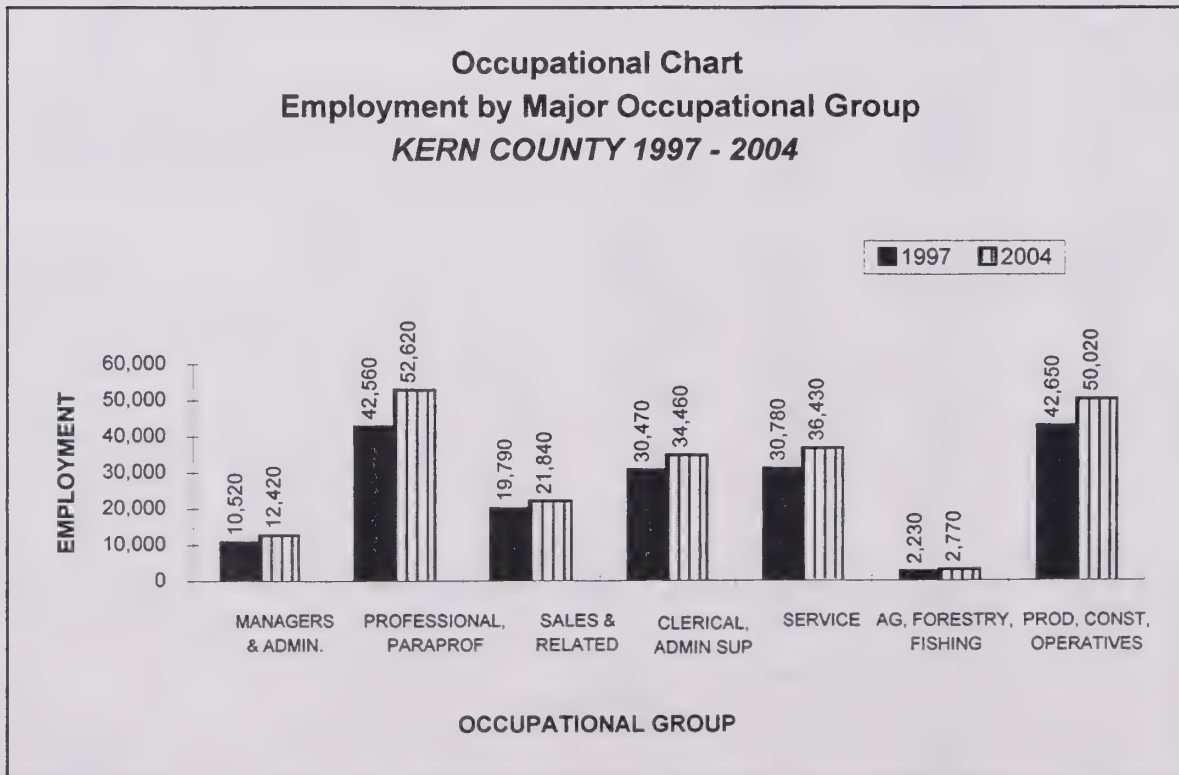


Table 4
Occupations With The Greatest Absolute Job Growth (1)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1997	2004				
63017	CORRECTION OFFICERS, JAILERS	2,580	3,930	1,350	52.3%	9	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	2,960	4,210	1,250	42.2%	6	ASSOCIATE DEGREE
31305	TEACHERS--ELEMENTARY SCHOOL	5,070	6,050	980	19.3%	5	BACHELOR'S DEGREE
32502	REGISTERED NURSES	3,220	4,120	900	28.0%	6	ASSOCIATE DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	980	1,790	810	82.7%	5	BACHELOR'S DEGREE
19005	GENERAL MANAGERS, TOP EXECUTIVES	4,550	5,310	760	16.7%	4	WORK EXP. & A BACHELOR'S OR HIGHER
31308	TEACHERS--SECONDARY SCHOOL	2,320	2,980	660	28.4%	5	BACHELOR'S DEGREE
49023	CASHIERS	5,720	6,320	600	10.5%	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	5,660	6,250	590	10.4%	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	1,230	1,780	550	44.7%	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	1,170	1,670	500	42.7%	11	SHORT-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	2,020	2,480	460	22.8%	9	LONG-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	1,700	2,140	440	25.9%	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	3,650	4,080	430	11.8%	11	SHORT-TERM ON-THE-JOB TRAINING
49011	SALESPERSONS, RETAIL	4,800	5,220	420	8.8%	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	1,880	2,300	420	22.3%	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	3,690	4,040	350	9.5%	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	1,500	1,840	340	22.7%	11	SHORT-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERIC	970	1,300	330	34.0%	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	2,830	3,160	330	11.7%	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,520	1,840	320	21.1%	11	SHORT-TERM ON-THE-JOB TRAINING
32102	PHYSICIANS AND SURGEONS	940	1,240	300	31.9%	1	FIRST PROFESSIONAL DEGREE
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	1,120	1,400	280	25.0%	11	SHORT-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	490	760	270	55.1%	5	BACHELOR'S DEGREE
55323	ORDER CLERKS--MATERIALS, SERVICE	670	930	260	38.8%	11	SHORT-TERM ON-THE-JOB TRAINING

Table 4
Occupations With The Greatest Absolute Job Growth (1)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1997	2004				
31303	TEACHERS, PRESCHOOL	820	1,040	220	26.8%	5	BACHELOR'S DEGREE
66005	MEDICAL ASSISTANTS	390	600	210	53.8%	10	MODERATE-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	580	780	200	34.5%	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	1,580	1,770	190	12.0%	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	2,180	2,360	180	8.3%	11	SHORT-TERM ON-THE-JOB TRAINING
97117	DRIVER/SALES WORKERS	980	1,150	170	17.3%	11	SHORT-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	190	350	160	84.2%	5	BACHELOR'S DEGREE
55344	BILLING, COST, AND RATE CLERKS	630	790	160	25.4%	11	SHORT-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	1,070	1,230	160	15.0%	11	SHORT-TERM ON-THE-JOB TRAINING
93914	WELDERS AND CUTTERS	710	870	160	22.5%	7	POST-SECONDARY VOCATIONAL ED
85302	AUTOMOTIVE MECHANICS	1,180	1,330	150	12.7%	9	LONG-TERM ON-THE-JOB TRAINING
97111	BUS DRIVERS--SCHOOL	570	720	150	26.3%	11	SHORT-TERM ON-THE-JOB TRAINING
31314	TEACHERS--VOC ED AND TRAINING	420	560	140	33.3%	8	WORK EXPERIENCE
49008	SALES REPS, NON-SCIENTIFIC EX RET	920	1,060	140	15.2%	10	MODERATE-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	310	450	140	45.2%	11	SHORT-TERM ON-THE-JOB TRAINING
85702	TELEPHONE, CABLE TV INSTALLERS	370	510	140	37.8%	9	LONG-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	390	520	130	33.3%	4	WORK EXP, & A BACHELOR'S OR HIGHER
15005	EDUCATION ADMINISTRATORS	720	850	130	18.1%	4	WORK EXP, & A BACHELOR'S OR HIGHER
15017	CONSTRUCTION MANAGERS	390	520	130	33.3%	5	BACHELOR'S DEGREE
15026	FOOD SERVICE AND LODGING MANAGERS	520	650	130	25.0%	8	WORK EXPERIENCE
25104	COMPUTER SUPPORT SPECIALISTS	240	370	130	54.2%	5	BACHELOR'S DEGREE
27302	SOCIAL WORKERS--MED, PSYCHIATRIC	370	500	130	35.1%	3	MASTER'S DEGREE
32505	LICENSED VOCATIONAL NURSES	590	720	130	22.0%	7	POST-SECONDARY VOCATIONAL ED
63014	POLICE PATROL OFFICERS	960	1,090	130	13.5%	9	LONG-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	820	950	130	15.9%	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		48,847	57,194	9,160	28.8%		

(1) Excludes not elsewhere classified (NEC) categories

Table 5
Occupations With The Fastest Job Growth (1)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1997(2)	2004				
22127	COMPUTER ENGINEERS	190	350	160	84.2%	5	BACHELOR'S DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESS	980	1,790	810	82.7%	5	BACHELOR'S DEGREE
63035	DETECTIVES, INVESTIGATORS--EX PUBLIC	170	270	100	58.8%	10	MODERATE-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	490	760	270	55.1%	5	BACHELOR'S DEGREE
25104	COMPUTER SUPPORT SPECIALISTS	240	370	130	54.2%	5	BACHELOR'S DEGREE
66005	MEDICAL ASSISTANTS	390	600	210	53.8%	10	MODERATE-TERM ON-THE-JOB TRAINING
32911	MEDICAL RECORDS TECHNICIANS	130	200	70	53.8%	6	ASSOCIATE DEGREE
32302	RESPIRATORY CARE PRACTITIONERS	170	260	90	52.9%	6	ASSOCIATE DEGREE
66017	PHYSICAL THERAPY ASSISTANTS & AIDES	170	260	90	52.9%	10	MODERATE-TERM ON-THE-JOB TRAINING
63017	CORRECTION OFFICERS, JAILERS	2,580	3,930	1,350	52.3%	9	LONG-TERM ON-THE-JOB TRAINING
66011	HOME HEALTH CARE WORKERS	180	270	90	50.0%	11	SHORT-TERM ON-THE-JOB TRAINING
53508	BILL AND ACCOUNT COLLECTORS	310	450	140	45.2%	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	1,230	1,780	550	44.7%	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	1,170	1,670	500	42.7%	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	2,960	4,210	1,250	42.2%	6	ASSOCIATE DEGREE
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	180	250	70	38.9%	3	MASTER'S DEGREE
87802	INSULATION WORKERS	180	250	70	38.9%	10	MODERATE-TERM ON-THE-JOB TRAINING
55323	ORDER CLERKS--MATERIALS, SERVICE	670	930	260	38.8%	11	SHORT-TERM ON-THE-JOB TRAINING
85702	TELEPHONE, CABLE TV INSTALLERS	370	510	140	37.8%	9	LONG-TERM ON-THE-JOB TRAINING
32308	PHYSICAL THERAPISTS	220	300	80	36.4%	5	BACHELOR'S DEGREE
87708	PAVING, TAMPING-EQUIP OPERATORS	220	300	80	36.4%	10	MODERATE-TERM ON-THE-JOB TRAINING
43017	SALES AGENTS--SEL BUS SERVICES	250	340	90	36.0%	10	MODERATE-TERM ON-THE-JOB TRAINING
27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	280	380	100	35.7%	5	BACHELOR'S DEGREE
31321	INSTRUCTORS AND COACHES--SPORTS	310	420	110	35.5%	10	MODERATE-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	340	460	120	35.3%	11	SHORT-TERM ON-THE-JOB TRAINING

Table 5
Occupations With The Fastest Job Growth (1)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1997(2)	2004				
27308	HUMAN SERVICES WORKERS	170	230	60	35.3%	10	MODERATE-TERM ON-THE-JOB TRAINING
27302	SOCIAL WORKERS--MED, PSYCHIATRIC	370	500	130	35.1%	3	MASTER'S DEGREE
49017	COUNTER AND RENTAL CLERKS	580	780	200	34.5%	11	SHORT-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	970	1,300	330	34.0%	11	SHORT-TERM ON-THE-JOB TRAINING
31314	TEACHERS--VOC ED AND TRAINING	420	560	140	33.3%	8	WORK EXPERIENCE
13017	ENGINEER, MATH, AND NAT SCI MGRS	390	520	130	33.3%	4	WORK EXP. & A BACHELOR'S OR HIGHER
15017	CONSTRUCTION MANAGERS	390	520	130	33.3%	5	BACHELOR'S DEGREE
98315	HELPERS--PLUMBERS AND RELATED	210	280	70	33.3%	11	SHORT-TERM ON-THE-JOB TRAINING
21902	COST ESTIMATORS	150	200	50	33.3%	8	WORK EXPERIENCE
32919	RADIOLOGIC TECHNOLOGISTS	150	200	50	33.3%	6	ASSOCIATE DEGREE
32102	PHYSICIANS AND SURGEONS	940	1,240	300	31.9%	1	FIRST PROFESSIONAL DEGREE
53808	HOTEL DESK CLERKS	290	380	90	31.0%	11	SHORT-TERM ON-THE-JOB TRAINING
32905	MED, CLINICAL LAB ASSISTANTS	170	220	50	29.4%	6	ASSOCIATE DEGREE
97805	SERVICE STATION ATTENDANTS	170	220	50	29.4%	11	SHORT-TERM ON-THE-JOB TRAINING
97923	EXCAVATING, LOADING MACHINE OPS	170	220	50	29.4%	10	MODERATE-TERM ON-THE-JOB TRAINING
25105	COMPUTER PROGRAMMERS	280	360	80	28.6%	5	BACHELOR'S DEGREE
55105	SECRETARIES, MEDICAL	210	270	60	28.6%	7	POST-SECONDARY VOCATIONAL ED
31308	TEACHERS--SECONDARY SCHOOL	2,320	2,980	660	28.4%	5	BACHELOR'S DEGREE
32502	REGISTERED NURSES	3,220	4,120	900	28.0%	6	ASSOCIATE DEGREE
31303	TEACHERS, PRESCHOOL	820	1,040	220	26.8%	5	BACHELOR'S DEGREE
97111	BUS DRIVERS--SCHOOL	570	720	150	26.3%	11	SHORT-TERM ON-THE-JOB TRAINING
31514	VOCATIONAL & EDUCATIONAL COUNSELOR	380	480	100	26.3%	3	MASTER'S DEGREE
31317	INSTRUCTORS--NON-VOC EDUCATION	230	290	60	26.1%	8	WORK EXPERIENCE
85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	230	290	60	26.1%	9	LONG-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	1,700	2,140	440	25.9%	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		29,880	41,370	11,490	38.5%		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 200 in 2004.

(2) March 1998 Benchmark

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
1		TOTAL, ALL OCCUPATIONS	179,200	210,800	31,600	17.6	32,370		
2	10000	MGRS AND ADMIN OCCUPATIONS	10,520	12,420	1,900	18.1	1,700		
3	13002	FINANCIAL MANAGERS	730	850	120	16.4	100	4	WORK EXP, & A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	330	390	60	18.2	70	4	WORK EXP, & A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	230	250	20	8.7	40	4	WORK EXP, & A BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	340	420	80	23.5	50	4	WORK EXP, & A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	500	520	20	4.0	70	4	WORK EXP, & A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	390	520	130	33.3	70	4	WORK EXP, & A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	720	850	130	18.1	140	4	WORK EXP, & A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	290	360	70	24.1	50	4	WORK EXP, & A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	160	190	30	18.8	20	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	130	150	20	15.4	20	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	390	520	130	33.3	70	5	BACHELOR'S DEGREE
15	15021	MINING, OIL AND GAS, RELATED MGRS	70	70	0	0.0	10	8	WORK EXPERIENCE
16	15023	COMM, TRANS, UTIL OPER MGRS	120	140	20	16.7	20	4	WORK EXP, & A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	520	650	130	25.0	90	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	190	180	-10	-5.3	30	4	WORK EXP, & A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	4,550	5,310	760	16.7	710	4	WORK EXP, & A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	860	1,050	190	22.1	140	4	WORK EXP, & A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	42,560	52,620	10,060	23.6	6,090		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	4,290	4,760	470	11.0	640		

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	1,700	1,890	190	11.2	240		
26	21102	UNDERWRITERS	160	170	10	6.3	30	5	BACHELOR'S DEGREE
28	21108	LOAN OFFICERS AND COUNSELORS	240	260	20	8.3	30	5	BACHELOR'S DEGREE
30	21114	ACCOUNTANTS AND AUDITORS	950	1,070	120	12.6	140	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	180	190	10	5.6	20	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	170	200	30	17.6	20	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	460	480	20	4.3	90		
35	21305	PURCH AGTS AND BUYERS--FARM PROD	60	70	10	16.7	10	8	WORK EXPERIENCE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PROD	400	410	10	2.5	80	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	440	530	90	20.5	90		
39	21505	SPECIAL AGENTS--INSURANCE	50	60	10	20.0	10	4	WORK EXP, & A BACHELOR'S OR HIGHER
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	390	470	80	20.5	80	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKER	1,690	1,860	170	10.1	220		
43	21902	COST ESTIMATORS	150	200	50	33.3	10	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	150	160	10	6.7	10	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	120	120	0	0.0	30	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	280	320	40	14.3	30	8	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	70	70	0	0.0	10	5	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	920	990	70	7.6	130	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	5,340	5,950	610	11.4	840		
52	22100	ENGINEERS	3,160	3,650	490	15.5	490		
53	22102	AERONAUT, ASTRONAUTICAL ENGINEERS	520	560	40	7.7	40	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
56	22111	PETROLEUM ENGINEERS	220	240	20	9.1	40	5	BACHELOR'S DEGREE
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	170	200	30	17.6	30	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	920	1,010	90	9.8	170	5	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	190	350	160	84.2	10	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	60	70	10	16.7	10	5	BACHELOR'S DEGREE
64	22132	SAFETY ENGINEERS--EXCEPT MINING	80	90	10	12.5	10	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	390	410	20	5.1	50	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	610	720	110	18.0	130	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	230	260	30	13.0	40		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	100	120	20	20.0	20	5	BACHELOR'S DEGREE
72	22311	SURVEYING AND MAPPING SCIENTISTS	130	140	10	7.7	20	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	1,950	2,040	90	4.6	310		
74	22502	CIVIL ENGINEERING TECHNICIANS	100	110	10	10.0	10	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	970	1,070	100	10.3	190	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	80	80	0	0.0	10	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	230	230	0	0.0	30	7	POST-SECONDARY VOCATIONAL ED
81	22599	ENGINEERING, RELATED TECHS, NEC	570	550	-20	-3.5	70	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	1,270	1,290	20	1.6	190		
83	24100	PHYSICAL SCIENTISTS	810	820	10	1.2	120		
84	24102	PHYSICISTS AND ASTRONOMERS	160	140	-20	-12.5	20	2	DOCTORAL DEGREE
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	240	280	40	16.7	40	5	BACHELOR'S DEGREE
87	24111	GEOLOGIST, GEOPHYS, OCEANGRPHR	330	320	-10	-3.0	50	5	BACHELOR'S DEGREE
88	24199	PHYSICAL SCIENTISTS, NEC	80	80	0	0.0	10	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
89	24300	LIFE SCIENTISTS	50	60	10	20.0	0		
92	24308	BIOLOGICAL SCIENTISTS	50	60	10	20.0	0	2	DOCTORAL DEGREE
95	24500	PHYSICAL, LIFE SCIENCE TECHS	410	410	0	0.0	70		
97	24505	CHEM TECHS--EXCEPT HEALTH	110	120	10	9.1	20	6	ASSOCIATE DEGREE
99	24511	PETROLEUM TECHNICIANS	150	160	10	6.7	30	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	150	130	-20	-13.3	20	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, REL	2,240	3,370	1,130	50.4	230		
102	25100	COMPUTER SCIENTISTS AND RELATED	1,870	3,020	1,150	61.5	180		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	980	1,790	810	82.7	60	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	70	100	30	42.9	10	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	240	370	130	54.2	10	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	280	360	80	28.6	70	5	BACHELOR'S DEGREE
107	25108	COMPUTER PROGRAMMER AIDES	90	100	10	11.1	20	5	BACHELOR'S DEGREE
109	25199	COMPUTER SCIENTISTS, REL WRKRS, NEC	210	300	90	42.9	10	5	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	370	350	-20	-5.4	50		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	120	120	0	0.0	20	3	MASTER'S DEGREE
115	25315	FINANCIAL ANALYSTS, STATISTICAL	120	110	-10	-8.3	20	5	BACHELOR'S DEGREE
116	25319	MATHEMATICAL SCIENTISTS, NEC	130	120	-10	-7.7	10	2	DOCTORAL DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	2,000	2,470	470	23.5	410		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	190	210	20	10.5	20		
121	27105	URBAN AND REGIONAL PLANNERS	80	80	0	0.0	10	3	MASTER'S DEGREE

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
122	27108	PSYCHOLOGISTS	110	130	20	18.2	10	3	MASTER'S DEGREE
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	1,580	1,960	380	24.1	350		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	370	500	130	35.1	40	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	280	380	100	35.7	30	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	170	230	60	35.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	760	850	90	11.8	250	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	230	300	70	30.4	40		
131	27502	CLERGY	130	160	30	23.1	20	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	100	140	40	40.0	20	5	BACHELOR'S DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	460	590	130	28.3	50		
135	28100	LAWYERS AND RELATED WORKERS	390	490	100	25.6	40		
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	100	130	30	30.0	10	4	WORK EXP, & A BACHELOR'S OR HIGHER
138	28108	LAWYERS	290	360	70	24.1	30	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	70	100	30	42.9	10	6	
141	28305	PARALEGAL PERSONNEL	70	100	30	42.9	10	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	15,170	19,370	4,200	27.7	2,130		
146	31100	POSTSECONDARY TEACHERS	730	860	130	17.8	150		
155	31211	HEALTH DIAGNOSTICS TEACHERS, POST	60	70	10	16.7	10	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	50	60	10	20.0	10	2	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	60	70	10	16.7	10	2	DOCTORAL DEGREE

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
183	31299	POSTSECONDARY TEACHERS, NEC	560	660	100	17.9	120	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	10,570	13,200	2,630	24.9	1,540		
185	31303	TEACHERS, PRESCHOOL	820	1,040	220	26.8	110	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	400	490	90	22.5	50	5	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	5,070	6,050	980	19.3	690	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	2,320	2,980	660	28.4	530	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	490	760	270	55.1	60	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	420	560	140	33.3	30	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	230	290	60	26.1	20	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	310	420	110	35.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	510	610	100	19.6	30	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	3,870	5,310	1,440	37.2	440		
196	31502	LIBRARIANS--PROFESSIONAL	100	110	10	10.0	20	3	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS--LIBRARY	80	100	20	25.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSEL	380	480	100	26.3	60	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	350	410	60	17.1	20	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	2,960	4,210	1,250	42.2	320	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	8,470	10,880	2,410	28.5	1,030		
204	32100	HEALTH DIAGNOSING, TREATING	1,110	1,410	300	27.0	130		
205	32102	PHYSICIANS AND SURGEONS	940	1,240	300	31.9	110	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	80	70	-10	-12.5	10	1	FIRST PROFESSIONAL DEGREE
207	32108	OPTOMETRISTS	90	100	10	11.1	10	1	FIRST PROFESSIONAL DEGREE
212	32300	THERAPISTS	790	1,130	340	43.0	80		

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
213	32302	RESPIRATORY CARE PRACTITIONERS	170	260	90	52.9	20	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	140	190	50	35.7	10	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	220	300	80	36.4	20	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	180	250	70	38.9	20	3	MASTER'S DEGREE
219	32399	THERAPISTS, NEC	80	130	50	62.5	10	5	BACHELOR'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	4,820	6,050	1,230	25.5	580		
221	32502	REGISTERED NURSES	3,220	4,120	900	28.0	330	6	ASSOCIATE DEGREE
222	32505	LICENSED VOCATIONAL NURSES	590	720	130	22.0	90	7	POST-SECONDARY VOCATIONAL ED
223	32508	EMERGENCY MEDICAL TECHNICIANS	360	450	90	25.0	50	7	POST-SECONDARY VOCATIONAL ED
224	32511	PHYSICIAN'S ASSISTANTS	60	80	20	33.3	10	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	260	300	40	15.4	50	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	190	220	30	15.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	70	80	10	14.3	10	5	BACHELOR'S DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	1,750	2,290	540	30.9	240		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	200	250	50	25.0	10	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	170	220	50	29.4	10	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	250	280	30	12.0	50	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	130	200	70	53.8	20	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	150	200	50	33.3	20	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	90	110	20	22.2	10	7	POST-SECONDARY VOCATIONAL ED
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	760	1,030	270	35.5	120	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	1,020	1,170	150	14.7	170		
246	34002	WRITERS AND EDITORS	120	150	30	25.0	20	5	BACHELOR'S DEGREE
247	34005	TECHNICAL WRITERS	80	100	20	25.0	10	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
248	34008	PUB REL SPECS, PUBLICITY WRITERS	80	100	20	25.0	20	5	BACHELOR'S DEGREE
249	34011	REPORTERS AND CORRESPONDENTS	70	70	0	0.0	10	5	BACHELOR'S DEGREE
251	34017	ANNOUNCERS--RADIO AND TELEVISION	80	80	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
253	34023	PHOTOGRAPHERS	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
255	34028	BROADCAST TECHNICIANS	70	70	0	0.0	10	7	POST-SECONDARY VOCATIONAL ED
257	34035	ARTISTS AND RELATED WORKERS	110	140	30	27.3	20	4	WORK EXP, & A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	200	230	30	15.0	30	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	60	60	0	0.0	10	5	BACHELOR'S DEGREE
264	34056	PRODUCERS, DIRECTORS, ACTORS	80	90	10	12.5	10	9	LONG-TERM ON-THE-JOB TRAINING
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	2,300	2,770	470	20.4	400		
267	39002	AIR DISPATCHERS, AIR TRAFFIC CONTR	100	100	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
269	39008	RADIO OPERATORS	70	70	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
270	39011	FUNERAL DIRECTORS AND MORTICIANS	50	70	20	40.0	10	9	LONG-TERM ON-THE-JOB TRAINING
272	39999	OTHER PROF, PARAPROF, TECHNICAL	2,080	2,530	450	21.6	360	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	19,790	21,840	2,050	10.4	4,680		
274	41000	FIRST-LINE SUP/MGR--SALES	2,340	2,640	300	12.8	270	8	WORK EXPERIENCE
275	43000	SALES AGENTS--SERVICE	860	1,000	140	16.3	120		
276	43002	SALES AGENTS, PLACERS--INSURANCE	210	230	20	9.5	30	9	LONG-TERM ON-THE-JOB TRAINING
280	43014	SALES AGENTS--FINANCIAL SERVICES	180	180	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
281	43017	SALES AGENTS--SEL BUS SERVICES	250	340	90	36.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
282	43021	TRAVEL AGENTS	70	80	10	14.3	10	7	POST-SECONDARY VOCATIONAL ED

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
283	43023	SALES AGENTS--ADVERTISING	150	170	20	13.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
285	49000	MERCH, PRODUCTS AND OTHER SALES	16,590	18,200	1,610	9.7	4,290		
287	49005	SALES REPS, SCIENTIFIC--EX RETAIL	240	290	50	20.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
288	49008	SALES REPS, NON-SCIENTIFIC EX RET	920	1,060	140	15.2	160	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49011	SALESPERSONS, RETAIL	4,800	5,220	420	8.8	1,190	11	SHORT-TERM ON-THE-JOB TRAINING
290	49014	SALESPERSONS--PARTS	940	1,050	110	11.7	220	10	MODERATE-TERM ON-THE-JOB TRAINING
291	49017	COUNTER AND RENTAL CLERKS	580	780	200	34.5	180	11	SHORT-TERM ON-THE-JOB TRAINING
292	49021	STOCK CLERKS--SALES FLOOR	2,590	2,520	-70	-2.7	250	11	SHORT-TERM ON-THE-JOB TRAINING
293	49023	CASHIERS	5,720	6,320	600	10.5	2,070	11	SHORT-TERM ON-THE-JOB TRAINING
294	49026	TELEMARKETERS, SOLICITORS & REL	140	160	20	14.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
297	49999	SALES AND RELATED WORKERS, NEC	660	800	140	21.2	150	10	MODERATE-TERM ON-THE-JOB TRAINING
298	50000	CLERICAL, ADMINISTRATIVE SUPPORT	30,470	34,460	3,990	13.1	4,560		
299	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	2,680	3,220	540	20.1	470	8	WORK EXPERIENCE
300	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	3,740	4,380	640	17.1	710		
301	53100	BANKING, SECURITY, FINANCE, CREDIT	1,350	1,400	50	3.7	320		
302	53102	TELLERS	900	880	-20	-2.2	280	11	SHORT-TERM ON-THE-JOB TRAINING
303	53105	NEW ACCOUNTS CLERKS	80	80	0	0.0	20	8	WORK EXPERIENCE
305	53111	LOAN INTERVIEWERS	60	70	10	16.7	0	11	SHORT-TERM ON-THE-JOB TRAINING
308	53121	LOAN AND CREDIT CLERKS	110	120	10	9.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
309	53123	ADJUSTMENT CLERKS	200	250	50	25.0	10	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
312	53300	INSURANCE WORKERS	450	500	50	11.1	40		
313	53302	INS ADJUST, EXAMIN, INVESTIGATORS	110	130	20	18.2	10	9	LONG-TERM ON-THE-JOB TRAINING
316	53311	INSURANCE CLAIMS CLERKS	110	130	20	18.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
317	53314	INSURANCE POLICY PROCESSING CLERKS	230	240	10	4.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
318	53500	INVESTIGATIVE, RELATED, EX INSUR	530	620	90	17.0	70		
319	53502	WELFARE ELIG WORKERS, INTERVIEWERS	220	170	-50	-22.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
321	53508	BILL AND ACCOUNT COLLECTORS	310	450	140	45.2	50	11	SHORT-TERM ON-THE-JOB TRAINING
326	53800	LODGING AND TRAVEL WORKERS	290	380	90	31.0	120		
329	53808	HOTEL DESK CLERKS	290	380	90	31.0	120	11	SHORT-TERM ON-THE-JOB TRAINING
330	53900	MISC INDUSTRY SPECIFIC CLERICAL	1,120	1,480	360	32.1	160		
331	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	150	180	30	20.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
332	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	970	1,300	330	34.0	100	11	SHORT-TERM ON-THE-JOB TRAINING
336	55000	SECRETARIAL, GENERAL OFFICE OCCS	16,940	18,800	1,860	11.0	2,490		
337	55100	SECRETARIES	3,570	3,770	200	5.6	440		
338	55102	SECRETARIES, LEGAL	360	420	60	16.7	50	7	POST-SECONDARY VOCATIONAL ED
339	55105	SECRETARIES, MEDICAL	210	270	60	28.6	30	7	POST-SECONDARY VOCATIONAL ED
340	55108	SECRETARIES, GENERAL	3,000	3,080	80	2.7	360	7	POST-SECONDARY VOCATIONAL ED
341	55300	MISC SECRETARIAL, GENL OFF OCCS	13,370	15,030	1,660	12.4	2,050		
342	55302	STENOGRAPHERS AND/OR COURT REP	130	150	20	15.4	20	7	POST-SECONDARY VOCATIONAL ED
343	55305	RECEPTIONISTS, INFORMATION CLERKS	1,700	2,140	440	25.9	260	11	SHORT-TERM ON-THE-JOB TRAINING
344	55307	TYPISTS, INCLUDING WORD PROCESSING	680	690	10	1.5	80	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
345	55314	PERS CLERKS--EX PAYROLL	280	280	0	0.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
347	55321	FILE CLERKS	300	330	30	10.0	90	11	SHORT-TERM ON-THE-JOB TRAINING
348	55323	ORDER CLERKS--MATERIALS, SERVICE	670	930	260	38.8	110	11	SHORT-TERM ON-THE-JOB TRAINING
350	55328	STATISTICAL CLERKS	50	60	10	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
352	55335	CUSTOMER SERVICE REPS--UTILITIES	260	320	60	23.1	40	11	SHORT-TERM ON-THE-JOB TRAINING
353	55338	BOOKKEEPING, ACCOUNTING CLERKS	2,810	2,880	70	2.5	330	10	MODERATE-TERM ON-THE-JOB TRAINING
354	55341	PAYROLL AND TIMEKEEPING CLERKS	200	210	10	5.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
355	55344	BILLING, COST, AND RATE CLERKS	630	790	160	25.4	90	11	SHORT-TERM ON-THE-JOB TRAINING
356	55347	GENERAL OFFICE CLERKS	5,660	6,250	590	10.4	960	11	SHORT-TERM ON-THE-JOB TRAINING
357	56000	EDP AND OFFICE MACHINE OCCUPATIONS	640	620	-20	-3.1	60		
358	56002	BILLING, POSTING, CALC MACHINE OPS	150	140	-10	-6.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
361	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	270	230	-40	-14.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
363	56017	DATA ENTRY KEYERS--EX COMPOSING	220	250	30	13.6	10	7	POST-SECONDARY VOCATIONAL ED
366	57000	COMMUNICATIONS, MAIL DISTRIBUTION	1,140	1,130	-10	-0.9	190		
367	57100	COMMUNICATION EQUIP OPERATORS	360	360	0	0.0	50		
368	57102	SWITCHBOARD OPERATORS	130	140	10	7.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
370	57108	CENTRAL OFFICE OPERATORS	230	220	-10	-4.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
373	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	780	770	-10	-1.3	140		
374	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	60	60	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
375	57305	POSTAL MAIL CARRIERS	540	520	-20	-3.7	90	11	SHORT-TERM ON-THE-JOB TRAINING
376	57308	POSTAL SERVICE CLERKS	110	100	-10	-9.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
377	57311	MESSENGERS	70	90	20	28.6	20	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
378	58000	MATERIAL RECORDING, DISPATCHING	3,750	4,490	740	19.7	470		
379	58002	DISPATCH--POLICE, FIRE, AMBULANCE	300	320	20	6.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
380	58005	DISPATCH--EX POLICE, FIRE, AMBUL	230	270	40	17.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
381	58008	PROD, PLANNING, EXPEDITING CLERKS	140	150	10	7.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
383	58014	METER READERS--UTILITIES	130	150	20	15.4	20	11	SHORT-TERM ON-THE-JOB TRAINING
386	58023	STOCK CLERKS--STOCKROOM, WRHSE	1,120	1,400	280	25.0	130	11	SHORT-TERM ON-THE-JOB TRAINING
387	58026	ORDER FILLERS--WHLE & RET SALES	250	270	20	8.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
388	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	1,060	1,130	70	6.6	110	11	SHORT-TERM ON-THE-JOB TRAINING
389	58099	MATERIAL RECORDING, RELATED, NEC	520	800	280	53.8	110	11	SHORT-TERM ON-THE-JOB TRAINING
390	59000	CLERICAL, ADMIN SUPPORT, NEC	1,580	1,820	240	15.2	170	11	SHORT-TERM ON-THE-JOB TRAINING
392	60000	SERVICE OCCUPATIONS	30,780	36,430	5,650	18.4	7,570		
393	61000	FIRST-LINE SUP/MGR--SERVICE	1,790	2,050	260	14.5	350		
394	61002	FIRE FIGHTING & PREVENTION SUPS	170	160	-10	-5.9	40	8	WORK EXPERIENCE
395	61005	POLICE AND DETECTIVE SUPERVISORS	170	160	-10	-5.9	40	8	WORK EXPERIENCE
396	61008	HOUSEKEEPING SUPERVISORS	60	70	10	16.7	10	8	WORK EXPERIENCE
397	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	1,390	1,660	270	19.4	260	8	WORK EXPERIENCE
398	63000	PROTECTIVE SERVICE OCCUPATIONS	6,800	8,930	2,130	31.3	1,370		
401	63008	FIRE FIGHTERS	1,010	1,020	10	1.0	280	9	LONG-TERM ON-THE-JOB TRAINING
402	63011	POLICE DETECTIVES	140	140	0	0.0	30	8	WORK EXPERIENCE
403	63014	POLICE PATROL OFFICERS	960	1,090	130	13.5	240	9	LONG-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
404	63017	CORRECTION OFFICERS, JAILERS	2,580	3,930	1,350	52.3	330	9	LONG-TERM ON-THE-JOB TRAINING
409	63032	SHERIFFS AND DEPUTY SHERIFFS	340	350	10	2.9	40	9	LONG-TERM ON-THE-JOB TRAINING
410	63035	DETECTIVES, INVESTIGATORS--EX PUB	170	270	100	58.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
413	63044	CROSSING GUARDS	150	130	-20	-13.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
414	63047	GUARDS AND WATCH GUARDS	1,170	1,670	500	42.7	210	11	SHORT-TERM ON-THE-JOB TRAINING
415	63099	PROTECTIVE SERVICE WORKERS, NEC	280	330	50	17.9	180	11	SHORT-TERM ON-THE-JOB TRAINING
416	65000	FOOD, BEV PREP AND SERVICE OCCS	13,210	14,630	1,420	10.7	4,500	11	
417	65002	HOSTS, HOSTESSES--RESTAURANTS	430	460	30	7.0	90	11	SHORT-TERM ON-THE-JOB TRAINING
418	65005	BARTENDERS	400	430	30	7.5	110	11	SHORT-TERM ON-THE-JOB TRAINING
419	65008	WAITERS AND WAITRESSES	2,180	2,360	180	8.3	840	11	SHORT-TERM ON-THE-JOB TRAINING
421	65014	DINING RM ATTENDANTS, BAR HELPERS	600	660	60	10.0	180	11	SHORT-TERM ON-THE-JOB TRAINING
422	65017	COUNTER ATTENDANTS--FOOD	540	640	100	18.5	420	11	SHORT-TERM ON-THE-JOB TRAINING
423	65021	BAKERS--BREAD AND PASTRY	240	280	40	16.7	50	10	MODERATE-TERM ON-THE-JOB TRAINING
424	65023	BUTCHERS AND MEAT CUTTERS	390	370	-20	-5.1	70	9	LONG-TERM ON-THE-JOB TRAINING
425	65026	COOKS--RESTAURANT	800	910	110	13.8	160	9	LONG-TERM ON-THE-JOB TRAINING
426	65028	COOKS--INSTITUTION OR CAFETERIA	710	800	90	12.7	140	9	LONG-TERM ON-THE-JOB TRAINING
427	65032	COOKS--SPECIALTY FAST FOOD	1,070	1,230	160	15.0	210	11	SHORT-TERM ON-THE-JOB TRAINING
428	65035	COOKS--SHORT ORDER	200	230	30	15.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
429	65038	FOOD PREPARATION WORKERS	1,580	1,770	190	12.0	620	11	SHORT-TERM ON-THE-JOB TRAINING
430	65041	COMBINED FOOD PREP AND SERVICE	3,690	4,040	350	9.5	1,430	11	SHORT-TERM ON-THE-JOB TRAINING
431	65099	FOOD SERVICE WORKERS, NEC	380	450	70	18.4	140	11	SHORT-TERM ON-THE-JOB TRAINING
432	66000	HEALTH SERVICE, RELATED OCCS	3,090	3,900	810	26.2	410		
433	66002	DENTAL ASSISTANTS	490	520	30	6.1	80	10	MODERATE-TERM ON-THE-JOB TRAINING
434	66005	MEDICAL ASSISTANTS	390	600	210	53.8	70	10	MODERATE-TERM ON-THE-JOB TRAINING
435	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,520	1,840	320	21.1	150	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
436	66011	HOME HEALTH CARE WORKERS	180	270	90	50.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
437	66014	PSYCHIATRIC AIDES	80	90	10	12.5	10	11	SHORT-TERM ON-THE-JOB TRAINING
438	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	170	260	90	52.9	40	10	MODERATE-TERM ON-THE-JOB TRAINING
441	66026	PHARMACY AIDES	90	100	10	11.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
442	66099	HEALTH SERVICE WORKERS, NEC	170	220	50	29.4	30	11	SHORT-TERM ON-THE-JOB TRAINING
443	67000	CLEANING, BLDING SERV EX PRIV HOUS	4,450	5,080	630	14.2	680		
444	67002	MAIDS AND HOUSEKEEPING CLEANERS	820	950	130	15.9	110	11	SHORT-TERM ON-THE-JOB TRAINING
445	67005	JANITORS, CLEANERS--EXCEPT MAIDS	2,830	3,160	330	11.7	440	11	SHORT-TERM ON-THE-JOB TRAINING
446	67008	PEST CONTROLLERS AND ASSISTANTS	110	150	40	36.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
448	67099	CLEANING, BLDING SERV--EX PH, NEC	690	820	130	18.8	110	11	SHORT-TERM ON-THE-JOB TRAINING
449	68000	MISC PERSONAL SERVICE OCCUPATIONS	910	1,190	280	30.8	140		
451	68005	HAIRDRESSERS, HAIRSTYLISTS	200	240	40	20.0	40	7	POST-SECONDARY VOCATIONAL ED
454	68014	AMUSEMENT, RECREATION ATTENDANTS	170	200	30	17.6	30	11	SHORT-TERM ON-THE-JOB TRAINING
456	68021	USHERS, LOBBY ATTENDANTS	90	130	40	44.4	20	11	SHORT-TERM ON-THE-JOB TRAINING
461	68035	PERSONAL AND HOME CARE AIDES	110	160	50	45.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
462	68038	CHILD CARE WORKERS	340	460	120	35.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
464	69000	MISC SERVICE WORKERS	530	650	120	22.6	120	8	WORK EXPERIENCE
466	70000	AGRICULTURAL, FORESTRY, FISHING	2,230	2,770	540	24.2	510		
475	79000	MISC AG, FORESTRY, FISHING	2,230	2,770	540	24.2	510		

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
478	79011	GRADERS, SORTERS--AG PRODUCTS	60	60	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
481	79017	ANIMAL CARETAKERS--EXCEPT FARM	190	220	30	15.8	40	11	SHORT-TERM ON-THE-JOB TRAINING
485	79041	LABORERS, LANDSCAPING/GRNDSKPING	1,500	1,840	340	22.7	340	11	SHORT-TERM ON-THE-JOB TRAINING
486	79806	VETERINARY ASSISTANTS	70	90	20	28.6	20	11	SHORT-TERM ON-THE-JOB TRAINING
489	79999	AG, FORESTRY, FISHING--NEC	410	560	150	36.6	100	11	SHORT-TERM ON-THE-JOB TRAINING
490	80000	PROD, CONST, OPER, MAT HANDLING	42,650	50,020	7,370	17.3	7,260		
491	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	3,140	3,440	300	9.6	480		
492	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	780	840	60	7.7	110	8	WORK EXPERIENCE
493	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	790	880	90	11.4	130	8	WORK EXPERIENCE
494	81008	FIRST-LINE SUP/MGR-PRODUCTION	380	410	30	7.9	60	8	WORK EXPERIENCE
495	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	360	390	30	8.3	50	8	WORK EXPERIENCE
496	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	130	140	10	7.7	20	8	WORK EXPERIENCE
497	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	700	780	80	11.4	110	8	WORK EXPERIENCE
498	83000	INSPECTORS, RELATED OCCUPATIONS	360	380	20	5.6	50		
499	83002	INSPECTORS, TESTERS, & GRADERS, PRECI	90	90	0	0.0	10	8	WORK EXPERIENCE
500	83005	PROD INSPECTORS, TESTERS, & GRADER	180	190	10	5.6	30	8	WORK EXPERIENCE
502	83099	INSPECTORS, TESTERS, RELATED, NEC	90	100	10	11.1	10	8	WORK EXPERIENCE
503	85000	MECHANICS, INSTALLERS, REPAIRERS	7,420	8,610	1,190	16.0	1,260		
504	85100	MACHINERY AND RELATED MECHANICS	2,950	3,550	600	20.3	480		

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
505	85110	MACHINERY MAINTENANCE MECHANICS	360	410	50	13.9	60	9	LONG-TERM ON-THE-JOB TRAINING
510	85118	MAINT MECHANICS--WATER, POWER	130	160	30	23.1	20	9	LONG-TERM ON-THE-JOB TRAINING
511	85119	MACHINERY MAINT MECHANICS, NEC	110	130	20	18.2	20	9	LONG-TERM ON-THE-JOB TRAINING
512	85123	MILLWRIGHTS	230	260	30	13.0	40	9	LONG-TERM ON-THE-JOB TRAINING
514	85128	MACHINERY MAINTENANCE WORKERS	100	110	10	10.0	20	9	LONG-TERM ON-THE-JOB TRAINING
515	85132	MAINT REPAIRERS, GENL UTILITY	2,020	2,480	460	22.8	320	9	LONG-TERM ON-THE-JOB TRAINING
516	85300	MOBILE EQUIP MECHANICS, REPAIRERS	2,780	3,110	330	11.9	500		
517	85302	AUTOMOTIVE MECHANICS	1,180	1,330	150	12.7	230	9	LONG-TERM ON-THE-JOB TRAINING
518	85305	AUTOMOTIVE BODY, RELATED REPRS	200	240	40	20.0	50	9	LONG-TERM ON-THE-JOB TRAINING
520	85311	BUS AND TRUCK MECHANICS	320	360	40	12.5	50	9	LONG-TERM ON-THE-JOB TRAINING
521	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	230	290	60	26.1	40	9	LONG-TERM ON-THE-JOB TRAINING
523	85321	FARM EQUIPMENT MECHANICS	210	230	20	9.5	30	9	LONG-TERM ON-THE-JOB TRAINING
524	85323	AIRCRAFT MECHANICS	550	570	20	3.6	90	7	POST-SECONDARY VOCATIONAL ED
525	85326	AIRCRAFT ENGINE SPECIALISTS	90	90	0	0.0	10	7	POST-SECONDARY VOCATIONAL ED
535	85700	OTHER ELECTRICAL EQUIP MECHANICS	680	800	120	17.6	110		
536	85702	TELEPHONE, CABLE TV INSTALLERS	370	510	140	37.8	60	9	LONG-TERM ON-THE-JOB TRAINING
541	85717	ELECT REPAIRERS--COMMERCIAL	130	110	-20	-15.4	20	7	POST-SECONDARY VOCATIONAL ED
544	85726	STATION INSTALLERS--TELEPHONE	60	40	-20	-33.3	10	7	POST-SECONDARY VOCATIONAL ED
545	85728	ELEC INSTALLERS--TRANS EQUIPMENT	60	70	10	16.7	10	7	POST-SECONDARY VOCATIONAL ED
546	85799	ELECT EQUIP MECHANICS, NEC	60	70	10	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
547	85900	MISC MECH, INSTALLERS, REPAIRERS	1,010	1,150	140	13.9	170		
548	85902	HEATING, AC, REFRIG MECHANICS	240	290	50	20.8	40	9	LONG-TERM ON-THE-JOB TRAINING
549	85905	INSTRUMENT REPAIRERS, PRECISION	150	150	0	0.0	30	9	LONG-TERM ON-THE-JOB TRAINING
557	85928	MECH CONTROL, VALVE INSTALLERS	60	60	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
559	85935	RIGGERS	90	100	10	11.1	10	9	LONG-TERM ON-THE-JOB TRAINING
564	85953	TIRE REPAIRERS AND CHANGERS	90	100	10	11.1	30	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
566	85999	MECHS, INSTALLERS, REPAIRERS, NEC	380	450	70	18.4	50	9	LONG-TERM ON-THE-JOB TRAINING
567	87000	CONSTRUCTION TRADES	6,630	7,440	810	12.2	1,100		
568	87100	CARPENTERS AND RELATED WORKERS	870	1,070	200	23.0	170		
569	87102	CARPENTERS	450	540	90	20.0	60	9	LONG-TERM ON-THE-JOB TRAINING
571	87108	DRYWALL INSTALLERS	240	300	60	25.0	60	10	MODERATE-TERM ON-THE-JOB TRAINING
572	87111	TAPERS	110	140	30	27.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87114	LATHERS	70	90	20	28.6	20	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87200	ELECTRICIANS AND RELATED WORKERS	540	630	90	16.7	80		
576	87202	ELECTRICIANS	540	630	90	16.7	80	9	LONG-TERM ON-THE-JOB TRAINING
577	87300	MASONS AND RELATED WORKERS	550	680	130	23.6	110		
580	87308	HARD TILE SETTERS	60	70	10	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
581	87311	CONCRETE AND TERRAZZO FINISHERS	380	470	90	23.7	80	9	LONG-TERM ON-THE-JOB TRAINING
582	87314	REINFORCING METAL WORKERS	60	70	10	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
583	87317	PLASTERERS AND STUCCO MASONS	50	70	20	40.0	10	9	LONG-TERM ON-THE-JOB TRAINING
584	87400	PAINTERS AND RELATED WORKERS	220	260	40	18.2	40		
585	87402	PAINTERS, PAPERHANGERS--CONST	220	260	40	18.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
586	87500	PLUMBERS AND RELATED WORKERS	620	720	100	16.1	100		
587	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	560	650	90	16.1	90	9	LONG-TERM ON-THE-JOB TRAINING
589	87508	PIPELAYERS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
591	87600	CARPET, FLOOR INSTALLERS	200	220	20	10.0	40		
592	87602	CARPET INSTALLERS	140	150	10	7.1	30	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
593	87605	FLOOR LAYERS--EX CARPET, WOOD, TILES	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
595	87700	SELECTED ROAD, RAIL AND RELATED	380	450	70	18.4	70		
598	87708	PAVING, TAMPING-EQUIP OPERATORS	220	300	80	36.4	40	10	MODERATE-TERM ON-THE-JOB TRAINING
599	87711	HIGHWAY MAINTENANCE WORKERS	160	150	-10	-6.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
601	87800	CONSTRUCTION TRADES, NEC	650	830	180	27.7	140		
602	87802	INSULATION WORKERS	180	250	70	38.9	40	10	MODERATE-TERM ON-THE-JOB TRAINING
605	87808	ROOFERS	190	230	40	21.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
607	87814	STRUCTURAL METAL WORKERS	90	110	20	22.2	20	9	LONG-TERM ON-THE-JOB TRAINING
608	87817	FENCE ERECTORS	100	130	30	30.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
609	87899	CONSTRUCTION TRADES WORKERS, NEC	90	110	20	22.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
610	87900	EXTRACTIVE AND RELATED WORKERS	2,600	2,580	-20	-0.8	350	10	MODERATE-TERM ON-THE-JOB TRAINING
611	87902	EARTH DRILLERS, EXCEPT OIL AND GAS	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
614	87911	ROTARY DRILL OPS--OIL, GAS EXTRACT	430	430	0	0.0	60	10	MODERATE-TERM ON-THE-JOB TRAINING
615	87914	DERRICK OPS--OIL, GAS EXTRACTION	380	390	10	2.6	50	10	MODERATE-TERM ON-THE-JOB TRAINING
616	87917	SERVICE UNIT OPERATORS	320	330	10	3.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
617	87921	ROUSTABOUTS	940	830	-110	-11.7	120	11	SHORT-TERM ON-THE-JOB TRAINING
623	87989	EXTRACTIVE WORKERS--EX HLPERS, NEC	280	290	10	3.6	40	10	MODERATE-TERM ON-THE-JOB TRAINING
624	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	180	230	50	27.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
625	89000	PRODUCTION OCCUPATIONS, PRECISION	1,720	2,000	280	16.3	290		
626	89100	METAL WORKERS, PRECISION	620	650	30	4.8	100		
629	89108	MACHINISTS	500	530	30	6.0	80	9	LONG-TERM ON-THE-JOB TRAINING
637	89132	SHEET METAL WORKERS	120	120	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
675	89900	OTHER PRECISION WORKERS	1,100	1,350	250	22.7	190		
682	89921	DENTAL LAB TECHNICIANS, PRECISION	80	100	20	25.0	20	9	LONG-TERM ON-THE-JOB TRAINING
685	89999	WORKERS, PRECISION--NEC	1,020	1,250	230	22.5	170	9	LONG-TERM ON-THE-JOB TRAINING
686	91000	MACH SETTERS, SET-UP, OPS, TENDERS	1,680	1,970	290	17.3	260		
687	91100	MACH TOOL CUTTING--METAL, PLASTIC	50	50	0	0.0	10		
689	91105	LATHE MACH SETTERS--METAL, PLASTIC	50	50	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
694	91300	MACH FORMING SETTERS--METAL, PLAS	60	90	30	50.0	10		
695	91302	PUNCH MACH SETTERS--METAL, PLAS	60	90	30	50.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
706	91700	MET FABRICATING MACH SETTERS, OPS	190	210	20	10.5	30		
708	91705	WELDING MACH OPRS AND TENDERS	130	140	10	7.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
711	91714	METAL FABRICATOR, STRUCT MET PRODS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
750	92700	TEXTILE, RELATED SETTERS, OPS	180	250	70	38.9	30		
759	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	50	70	20	40.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
760	92728	PRESSING MACH OPS--TEXTILE, GARMEN	130	180	50	38.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92900	MACH SETTER, SET-UP, OP--EX MET, PLAS	1,200	1,370	170	14.2	180		
783	92965	CRUSHING, MIXING MACH OPS, TNDRS	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
786	92974	PACKAGING, FILLING MACH OPS, TNDRS	280	310	30	10.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92997	MACHINE SETTERS & SET-UP OPS, NEC	340	360	20	5.9	50	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92998	MACHINE OPRS AND TENDERS, NEC	460	560	100	21.7	70	10	MODERATE-TERM ON-THE-JOB TRAINING
789	93000	ASSEMBLERS AND FABRICATORS--HAND	2,150	2,950	800	37.2	330		

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
798	93900	OTHER HAND WORKERS	2,150	2,950	800	37.2	330		
803	93914	WELDERS AND CUTTERS	710	870	160	22.5	140	7	POST-SECONDARY VOCATIONAL ED
817	93956	ASSEMB, FABRICATORS--EX MACH,ELEC	630	750	120	19.0	100	11	SHORT-TERM ON-THE-JOB TRAINING
818	93999	HAND WORKERS, NEC	810	1,330	520	64.2	90	11	SHORT-TERM ON-THE-JOB TRAINING
819	95000	PLANT AND SYSTEM OCCUPATIONS	1,720	1,840	120	7.0	260		
820	95002	WATER TREATMENT PLANT OPERATORS	710	790	80	11.3	80	9	LONG-TERM ON-THE-JOB TRAINING
823	95011	PETROLEUM PUMP SYSTEM OPERATORS	90	90	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
824	95014	PETRO REFINERY, CONTROL PANEL OPS	250	250	0	0.0	40	9	LONG-TERM ON-THE-JOB TRAINING
825	95017	GAUGERS	170	170	0	0.0	30	9	LONG-TERM ON-THE-JOB TRAINING
830	95032	STATIONARY ENGINEERS	140	150	10	7.1	20	9	LONG-TERM ON-THE-JOB TRAINING
831	95099	PLANT AND SYSTEM OPERATORS, NEC	360	390	30	8.3	70	9	LONG-TERM ON-THE-JOB TRAINING
832	97000	TRANS, MATERIAL MOVING MACHINE OPS	10,270	11,860	1,590	15.5	1,300		
833	97100	MOTOR VEHICLE OPERATORS	7,570	8,760	1,190	15.7	860		
834	97102	TRUCK DRIVERS, HEAVY	3,650	4,080	430	11.8	370	11	SHORT-TERM ON-THE-JOB TRAINING
835	97105	TRUCK DRIVERS, LIGHT	1,880	2,300	420	22.3	200	11	SHORT-TERM ON-THE-JOB TRAINING
836	97108	BUS DRIVERS	410	430	20	4.9	40	10	MODERATE-TERM ON-THE-JOB TRAINING
837	97111	BUS DRIVERS--SCHOOL	570	720	150	26.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
839	97117	DRIVER/SALES WORKERS	980	1,150	170	17.3	180	11	SHORT-TERM ON-THE-JOB TRAINING
840	97199	MOTOR VEHICLE OPERATORS, NEC	80	80	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
857	97700	AIR TRANSPORTATION WORKERS	200	210	10	5.0	30		
858	97702	AIRCRAFT PILOTS, FLIGHT ENGINEERS	200	210	10	5.0	30	9	LONG-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
859	97800	MISC TRANSPORTATION WORKERS	340	410	70	20.6	80		
861	97805	SERVICE STATION ATTENDANTS	170	220	50	29.4	60	11	SHORT-TERM ON-THE-JOB TRAINING
863	97899	TRANS AND RELATED WORKERS, NEC	170	190	20	11.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
864	97900	MATERIAL MOVEMENT EQUIP OPERATORS	2,160	2,480	320	14.8	330		
868	97911	WELL HEAD PUMPERS	130	130	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
872	97923	EXCAVATING, LOADING MACHINE OPS	170	220	50	29.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
877	97938	GRADER, DOZER, SCRAPER OPERATORS	220	250	30	13.6	10	10	MODERATE-TERM ON-THE-JOB TRAINING
878	97941	HOIST AND WINCH OPERATORS	150	170	20	13.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97944	CRANE AND TOWER OPERATORS	230	260	30	13.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
880	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	670	770	100	14.9	100	11	SHORT-TERM ON-THE-JOB TRAINING
883	97956	OPERATING ENGINEERS	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
884	97989	MATERIAL MOVING EQUIP OPS, NEC	310	380	70	22.6	60	10	MODERATE-TERM ON-THE-JOB TRAINING
885	97999	TRANS, MAT MOVING EQUIP OPS, NEC	160	160	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
886	98000	HELPERS, LABORERS, HAND--EX AG	7,560	9,530	1,970	26.1	1,930		
887	98100	MECHANIC AND REPAIRER HELPERS	480	640	160	33.3	150		
888	98102	MECHANIC AND REPAIRER HELPERS, NEC	480	640	160	33.3	150	11	SHORT-TERM ON-THE-JOB TRAINING
889	98300	CONST TRADES, EXTRACTIVE--HELPERS	890	1,110	220	24.7	270		
890	98311	HELPERS--BRICK,STONE MASONS	50	60	10	20.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
891	98312	HELPERS--CARPENTERS AND RELATED	150	190	40	26.7	40	11	SHORT-TERM ON-THE-JOB TRAINING
892	98313	HELPERS--ELECT, POWERLINE INSTALL	50	60	10	20.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
893	98314	HELPERS--PAINTERS AND RELATED	140	170	30	21.4	40	11	SHORT-TERM ON-THE-JOB TRAINING
894	98315	HELPERS--PLUMBERS AND RELATED	210	280	70	33.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
895	98316	HELPERS--ROOFERS	60	80	20	33.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
896	98319	HELPERS--CONSTRUCTION TRADES, NEC	230	270	40	17.4	70	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1997 - 2004
KERN COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1997(2)	2004					
900	98700	FREIGHT, STOCK, MAT MOVERS, HAND	910	1,000	90	9.9	290	11	SHORT-TERM ON-THE-JOB TRAINING
902	98705	REFUSE COLLECTORS	160	160	0	0.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
903	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	750	840	90	12.0	240	11	SHORT-TERM ON-THE-JOB TRAINING
904	98900	MISC HELPERS, LABORERS--HAND	5,280	6,780	1,500	28.4	1,220		
905	98902	HAND PACKERS AND PACKAGERS	1,230	1,780	550	44.7	280	11	SHORT-TERM ON-THE-JOB TRAINING
906	98905	VEHICLE WASHERS, EQUIP CLEANERS	700	800	100	14.3	160	11	SHORT-TERM ON-THE-JOB TRAINING
907	98999	MISC HELPERS, LABORERS--HAND, NEC	3,350	4,200	850	25.4	780	11	SHORT-TERM ON-THE-JOB TRAINING
908		OCCUPATIONS NOT CLASSIFIED	200	240	40	20.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 1998 Benchmark

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	NUMBER OF NEW JOBS 1997-2004
49023	CASHIERS	2,670
65041	COMBINED FOOD PREP AND SERVICE	1,780
63017	CORRECTION OFFICERS, JAILERS	1,680
31305	TEACHERS--ELEMENTARY SCHOOL	1,670
49011	SALESPERSONS, RETAIL	1,610
31521	TEACHER AIDES, PARAPROFESSIONAL	1,570
55347	GENERAL OFFICE CLERKS	1,550
19005	GENERAL MANAGERS, TOP EXECUTIVE	1,470
32502	REGISTERED NURSES	1,230
31308	TEACHERS--SECONDARY SCHOOL	1,190
65008	WAITERS AND WAITRESSES	1,020
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSOR	870
98902	HAND PACKERS AND PACKAGERS	830
65038	FOOD PREPARATION WORKERS	810
97102	TRUCK DRIVERS, HEAVY	800
85132	MAINT REPAIRERS, GENL UTILITY	780
67005	JANITORS, CLEANERS--EXCEPT MAID	770
63047	GUARDS AND WATCH GUARDS	710
55305	RECEPTIONISTS, INFORMATION CLERKS	700
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	680
97105	TRUCK DRIVERS, LIGHT	620
65017	COUNTER ATTENDANTS--FOOD	520
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	470
55108	SECRETARIES, GENERAL	440
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	430
32102	PHYSICIANS AND SURGEONS	410
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	410
55338	BOOKKEEPING, ACCOUNTING CLERKS	400
49017	COUNTER AND RENTAL CLERKS	380
85302	AUTOMOTIVE MECHANICS	380
55323	ORDER CLERKS--MATERIALS, SERVICE	370
63014	POLICE PATROL OFFICERS	370
65032	COOKS--SPECIALTY FAST FOOD	370
97117	DRIVER/SALES WORKERS	350
27311	RECREATION WORKERS	340
31303	TEACHERS, PRESCHOOL	330
31311	TEACHERS--SPECIAL EDUCATION	330
49014	SALESPERSONS--PARTS	330
98102	MECHANIC AND REPAIRER HELPERS	310
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	300

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	NUMBER OF NEW JOBS 1997-2004
93914	WELDERS AND CUTTERS	300
22505	ELECT, ELECTRONIC ENGINEERING TECH	290
63008	FIRE FIGHTERS	290
66005	MEDICAL ASSISTANTS	280
15005	EDUCATION ADMINISTRATORS	270
65026	COOKS-RESTAURANT	270
21114	ACCOUNTANTS AND AUDITORS	260
22126	ELECT AND ELECTRONIC ENGINEERS	260
53102	TELLERS	260
98905	VEHICLE WASHERS, EQUIP CLEANERS	260
TOTAL OF THESE OCCUPATIONS		34,990

(1) Excludes not elsewhere classified (NEC) categories.

Table 8
Occupations With Projected Declines (1)
1997 - 2004
KERN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS
		1997 (2)	2004		
87921	ROUSTABOUTS	940	830	-110	120
49021	STOCK CLERKS--SALES FLOOR	2,590	2,520	-70	250
53502	WELFARE ELIG WORKERS, INTERVIEW	220	170	-50	20
56011	COMPUTER OPS--EX PERIPHERAL EQUIPMENT	270	230	-40	30
53102	TELLERS	900	880	-20	280
57305	POSTAL MAIL CARRIERS	540	520	-20	90
65023	BUTCHERS AND MEAT CUTTERS	390	370	-20	70
63044	CROSSING GUARDS	150	130	-20	30
24102	PHYSICISTS AND ASTRONOMERS	160	140	-20	20
85717	ELECT REPAIRERS--COMMERCIAL	130	110	-20	20
24111	GEOLOGIST, GEOPHYS, OCEANOGRAPHY	330	320	-10	50
61002	FIRE FIGHTING & PREVENTION SUPS	170	160	-10	40
61005	POLICE AND DETECTIVE SUPERVISOR	170	160	-10	40
19002	PUB ADMIN CHIEF EXECS, LEGISLATURE	190	180	-10	30
57108	CENTRAL OFFICE OPERATORS	230	220	-10	30
87711	HIGHWAY MAINTENANCE WORKERS	160	150	-10	30
25315	FINANCIAL ANALYSTS, STATISTICAL	120	110	-10	20
56002	BILLING, POSTING, CALC MACHINE	150	140	-10	20
57308	POSTAL SERVICE CLERKS	110	100	-10	20
32105	DENTISTS	80	70	-10	10
TOTAL OF THESE OCCUPATIONS		8,000	7,510	-490	1,220

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 1998 Benchmark

Appendix

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	854	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDIT, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	309	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	333	53908
AERONAUT, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURE, FORESTRY, FISHING--NEC	489	79999
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL, FORESTRY, FISHING	466	70000
AIR DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AIR HAMMER OPERATORS	596	87702
AIR TRANSPORTATION WORKERS	857	97700
AIRCRAFT ASSEMBLERS--PRECISION	791	93102
AIRCRAFT ENGINE SPECIALISTS	525	85326
AIRCRAFT MECHANICS	524	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	858	97702
AMBULANCE DRIVERS & ATTENDANTS, EX EMER MED TECHS	440	66023
AMUSEMENT, RECREATION ATTENDANTS	454	68014
ANIMAL BREEDERS	479	79015
ANIMAL CARETAKERS--EXCEPT FARM	481	79017
ANIMAL TRAINERS	480	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHRO & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	279	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULT STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMB, FABRICATORS--EX MACH, ELECT, PRECISION	817	93956
ASSEMBLERS AND FABRICATORS--HAND WORKING	789	93000
ASSEMBLERS, NEC--PRECISION	797	93197
ASSEMBLERS, PRECISION	790	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRERS, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	518	85305
AUTOMOTIVE MECHANICS	517	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	827	95023
BAGGAGE PORTERS AND BELLHOPS	457	68023
BAILIFFS	406	63023
BAKERS--BREAD AND PASTRY	423	65021

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	672	89805
BANKING, SECURITY, FINANCE, CREDIT	301	53100
BARBERS	450	68002
BARTENDERS	418	65005
BICYCLE REPAIRERS	563	85951
BILL AND ACCOUNT COLLECTORS	321	53508
BILLING, COST, AND RATE CLERKS	355	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	358	56002
BINDERY MACH SETTERS, SET-UP OPERATORS	743	92525
BINDERY MACHINE OPERATORS	748	92546
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL &, FOOD TECHS EX HEALTH	96	24502
BLASTERS AND EXPLOSIVES WORKERS	612	87905
BOILER OPS, TENDERS--LOW PRESSURE	770	92926
BOILERMAKERS	638	89135
BOOKBINDERS	668	89721
BOOKKEEPING, ACCOUNTING CLERKS	353	55338
BRATTICE BUILDERS	574	87121
BRICK MASONS	578	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	860	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	311	53128
BROKERS--REAL ESTATE	277	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	520	85311
BUS DRIVERS	836	97108
BUS DRIVERS--SCHOOL	837	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	424	65023
CABINETMAKERS AND BENCH CARPENTERS	644	89311
CAMERA OPERATORS	663	89713
CAMERA OPS--TV AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	552	85914
CANNERY WORKERS	810	93935
CAPTAINS--WATER VESSEL	850	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	569	87102
CARPENTERS AND RELATED WORKERS	568	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	809	93932
CARPET INSTALLERS	592	87602
CARPET, FLOOR INSTALLERS	591	87600
CASHIERS	293	49023
CEILING TILE INSTALLERS	570	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	780	92956
CENTRAL OFFICE AND PBX INSTALLERS	529	85502
CENTRAL OFFICE OPERATORS	370	57108
CHEMICAL TECHNICIANS & TECHNOLOGISTS--EX HEALTH	97	24505
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	773	92935

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL EQUIPMENT TENDERS	774	92938
CHEMICAL PLANT, SYSTEM OPERATORS	822	95008
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	462	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	471	73005
CIVIL ENGINEERING TECHNICIANS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES	443	67000
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES, NEC	448	67099
CLEANING, PICKLING EQUIPMENT OPERATORS, TENDERS	781	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	391	59999
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	390	59000
CLERICAL, ADMINISTRATIVE SUPPORT	298	50000
COIL WINDERS, TAPERS, FINISHERS	801	93908
COIN, VENDING MACHINE SERVICERS	562	85947
COMB MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91508
COMB MACHINE TOOL SETTERS--METAL, PLASTIC	704	91505
COMBINED FOOD PREPARATION AND SERVICE	430	65041
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	528	85500
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIR, NEC	534	85599
COMM, TRANSPORTATION, UTILITIES OPERATIONS MGRS	16	15023
COMMUNICATION EQUIPMENT OPERATORS, NEC	372	57199
COMMUNICATION EQUIPMENT OPERATORS	367	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	366	57000
COMPLIANCE OFFICERS, ENFORCE INSPECT--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATORS--EX PERIPHERAL EQUIPMENT	361	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPS RESEARCH, & RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	581	87311
CONSTRUCTION AND BUILDING INSPECTORS	45	21908
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	889	98300
CONSTRUCTION, EXTRACTIVE--EX HELPERS, NEC	624	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	567	87000
CONSTRUCTION TRADES WORKERS, NEC	609	87899
CONSTRUCTION TRADES, NEC	601	87800
CONTINUOUS MINING MACHINE OPERATOR	620	87941
CONVEYOR OPERATORS AND TENDERS	881	97951

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPS,TENDERS-FOOD,TOBACCO	767	92917
COOKS--INSTITUTION OR CAFETERIA	426	65028
COOKS--RESTAURANT	425	65026
COOKS--SHORT ORDER	428	65035
COOKS--SPECIALTY FAST FOOD	427	65032
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	771	92928
CORRECTION OFFICERS, JAILERS	404	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	346	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	291	49017
COUNTER ATTENDANTS--FOOD	422	65017
COURT CLERKS	323	53702
CRANE AND TOWER OPERATORS	879	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	306	53114
CREDIT CHECKERS	307	53117
CRIMINAL INVESTIGATORS, FEDERAL	408	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS,	176	31246
CROSSING GUARDS	413	63044
CRUSHING, MIXING MACHINE OPERATORS, TENDERS	783	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	649	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	352	55335
CUTTING, FORMING, FABRICATING, PROCESS MACH SETTER	728	92197
CUTTING, FORMING, FABRICATING, PROCESS MACH OPS	729	92198
CUTTING & SLICING MACHINE SETTERS & SET-UP OPS	775	92941
CUTTERS AND TRIMMERS--HAND	807	93926
CUTTING & SLICING MACHINE OPERATORS & TENDERS	776	92944
DAIRY PROCESSING EQUIPMENT OPERATORS--INC SETTERS	772	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	363	56017
DATA KEYERS--COMPOSING	364	56021
DATA PROCESSING EQUIPMENT REPAIRERS	537	85705
DEMONSTRATORS AND PROMOTERS	295	49034
DENTAL ASSISTANTS	433	66002
DENTAL HYGIENISTS	233	32908
DENTAL LABORATORY TECHNICIANS, PRECISION	682	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	615	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS	679	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	410	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	421	65014
DIRECTORS--RELIGIOUS ACTIVITIES, EDUC	132	27505
DIRECTORY ASSISTANCE OPERATORS	369	57105
DISPATCH--EX POLICE, FIRE, AMBULANCE	380	58005

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCH-POLICE, FIRE, AMBULANCE	379	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	873	97926
DREDGE OPERATORS, DIPPER TENDERS	874	97928
DRILLING MACHINE SETTER-METAL, PLASTIC	690	91108
DRIVER/SALES WORKERS	839	97117
DRYWALL INSTALLERS	571	87108
DUPLICATING MACHINE OPERATORS	359	56005
DYERS, PRECISION	654	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	611	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS-INCL MARKET RESEARCH ANALYST	120	27102
EDP AND OFFICE MACHINE OCCUPATIONS	357	56000
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRICAL INSTALLERS-TRANSPORTATION EQUIPMENT	545	85728
ELECTRICAL AND ELECTRONIC ENGINEERS	61	22126
ELECTRICAL EQUIPMENT MECHANICS, NEC	546	85799
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	539	85711
ELECTRONIC HOME ENTERTAINMENT EQUIP REPAIRERS	538	85708
ELECTRIC METER INSTALLERS, REPAIRERS	551	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	540	85714
ELECTRICAL POWERLINE INSTALLERS	543	85723
ELECTRONICS REPAIRERS-COMMERCIAL & INDUSTRIAL	541	85717
ELECTRICAL & ELECTRONIC ENGINEERING TECHS & TECHNOS	75	22505
ELECTRICAL EQUIPMENT ASSEMBLERS-PRECISION	795	93114
ELECTRICAL, ELECTRONIC ASSEMBLERS	800	93905
ELECTRICIANS	576	87202
ELECTRICIANS AND RELATED WORKERS	575	87200
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	719	91921
ELECTROLYTIC PLATING, MACHINE SETTER	718	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS-PRECISION	794	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	550	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC PAGINATION SYSTEM WORKERS	660	89707
ELECTRONIC SEMICONDUCTOR PROCESSOR	762	92902
ELEVATOR INSTALLERS AND REPAIRERS	558	85932
ELEVATOR OPERATORS	447	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS-PRIVATE OR PUBLIC	40	21508
ENGINEER, MATH, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, RELATED TECHNICIANS	73	22500
ENGINEERING, RELATED TECHS & TECHNOS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANG & LIT TEACHERS, POSTSECONDARY	158	31214

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	815	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	636	89128
EXCAVATING, LOADING MACHINE OPERATORS	872	97923
EXTRACTIVE AND RELATED WORKERS	610	87900
EXTRACTIVE WORKERS--EX HELPERS, NEC	623	87989
EXTRUDING MACHINE OPS, TENDERS--SYNTHETIC/GLASS	753	92708
EXTRUDING MACHINE SETTERS--METAL, PLASTIC	698	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	785	92971
EXTRUDING, FORMING, SETTERS & SET-UP OPERATORS	784	92968
FALLERS AND BUCKERS	470	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	523	85321
FARM EQUIPMENT OPERATORS	482	79021
FARMWORKERS-FARM/RANCH ANIMALS	488	79858
FARMWORKERS-FOOD, FIBER CROPS	487	79856
FENCE ERECTORS	608	87817
FILE CLERKS	347	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	401	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	394	61002
FIRE INSPECTORS	399	63002
FIRST-LINE SUP/MGR SERVICE WORKERS, NEC	397	61099
FIRST-LINE SUP/MGR, CLERICAL, ADMINISTRATIVE SUPPORT	299	51000
FIRST-LINE SUP/MGR--AGRICULTURAL, FORESTRY, FISHING	467	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	491	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	497	81099
FIRST-LINE SUP/MGR-CONSTRUCTION	493	81005
FIRST-LINE SUP/MGR-HELP, LABORERS	496	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	492	81002
FIRST-LINE SUP/MGR-PRODUCTION	494	81008
FIRST-LINE SUP/MGR-SALES	274	41000
FIRST-LINE SUP/MGR-SERVICE	393	81000
FIRST-LINE SUP/MGR-TRANSPORTATION	495	81011
FIRST-LINE SUPERVISORS - AGRICULTURE	468	72002
FISH AND GAME WARDENS	412	63041
FITTERS, STRUCTURAL METAL--PRECISION	793	93108
FLIGHT ATTENDANTS	458	68026
FLOOR LAYERS--EX CARPET, WOOD, TILES	593	87605
FLOOR SANDING MACHINE OPERATORS	594	87608
FOOD AND TOBACCO WORKERS, NEC	674	89899
FOOD BATCHMAKERS	673	89808
FOOD PREPARATION WORKERS	429	65038
FOOD SERVERS--OUTSIDE	420	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026
FOOD SERVICE WORKERS, NEC	431	65099
FOOD WORKERS, PRECISION	670	89800

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FOOD, BEVERAGE PREPARATION AND SERVICE OCCS	416	65000
FOREIGN LANG & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENT SPECIALISTS	400	63005
FOREST, CONSERVATION WORKERS	476	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS—METAL, PLASTIC	700	91317
FOUNDRY MOLD ASSEMBLY, SHAKEOUT	717	91914
FOUNDRY MOLD, CORE MAKERS, PRECISION	676	89902
FRAME WIRERS, CENTRAL OFFICE	530	85505
FREIGHT, MATERIAL MOVERS—HAND, NEC	903	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	900	98700
FUNERAL ATTENDANTS	463	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	724	91935
FURNACE, KILN, KETTLE OPERATORS, TENDERS	769	92923
FURNITURE FINISHERS	645	89314
GAS APPLIANCE REPAIRERS	561	85944
GAS COMPRESSOR OPERATORS	871	97921
GAS PLANT OPERATORS	821	95005
GAS PUMPING STATION OPERATORS	870	97917
GAUGERS	825	95017
GEM AND DIAMOND WORKERS	684	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	356	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGIST, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	606	87811
GLAZIERS, MANUFACTURING	802	93911
GRADER, DOZER, SCRAPER OPERATORS	877	97938
GRADERS, SORTERS—AGRICULTURAL PRODUCTS	478	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER—METAL, PLASTIC	692	91114
GRINDING, POLISHING WORKERS—HAND	816	93953
GUARDS AND WATCH GUARDS	414	63047
GUIDES	455	68017
HAIRDRESSERS, HAIRSTYLISTS	451	68005
HAND COMPOSITORS AND TYPESETTERS	657	89702
HAND PACKERS AND PACKAGERS	905	98902
HAND WORKERS, NEC	818	93999
HAND WORKERS—JEWELRY, PRECISION	635	89126
HARD TILE SETTERS	580	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	603	87803
HEAD SAWYERS	732	92305
HEALTH ASSESSMENT & TREATMENT TEACHERS, POSTSEC	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFS, NEC	244	32999
HEALTH DIAGNOSING, TREATING	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH SERVICE WORKERS, NEC	442	66099
HEALTH SERVICE, RELATED OCCS	432	66000
HEAT TREATING MACHINE OPS, TENDERS	723	91932
HEATERS, METAL & PLASTIC	725	91938
HEATING EQUIP SETTERS-METAL, PLASTIC	722	91928
HEATING, AC, REFRIGERATION MECHANICS	548	85902
HELPERS, LABORERS, HAND-EX AGRICULTURE & FORESTRY	886	98000
HELPERS-BRICK, STONE MASONS	890	98311
HELPERS-CARPENTERS AND RELATED	891	98312
HELPERS-CONSTRUCTION TRADES, NEC	896	98319
HELPERS-ELECTRICIANS, POWERLINE INSTALLERS	892	98313
HELPERS-EXTRACTIVE WORKERS	897	98323
HELPERS-PAINTERS AND RELATED	893	98314
HELPERS-PLUMBERS AND RELATED	894	98315
HELPERS-ROOFERS	895	98316
HIGHWAY MAINTENANCE WORKERS	599	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	878	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH CARE WORKERS	436	66011
HOSTS, HOSTESSES-RESTAURANTS	417	65002
HOTEL DESK CLERKS	329	53808
HOUSEKEEPING SUPERVISORS	396	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS & TECHNOS	76	22508
INDUST ENGINEERS-EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK, TRACTOR OPERATORS	880	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	300	53000
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	313	53302
INSPECTORS, RELATED OCCUPATIONS	498	83000
INSPECTORS, TESTERS, RELATED, NEC	502	83099
INSPECTORS, TESTERS, & GRADERS, PRECISION	499	83002
INSTALLER & REPAIRER, MOBILE HOME	560	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES-SPORTS	192	31321
INSTRUCTORS-NON-VOCATIONAL EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	628	89105
INSTRUMENT REPAIRERS, PRECISION	549	85905
INSULATION WORKERS	602	87802
INSURANCE APPRAISERS-AUTO DAMAGE	314	53305
INSURANCE CLAIMS CLERKS	316	53311
INSURANCE EXAMINING CLERKS	315	53308
INSURANCE POLICY PROCESSING CLERKS	317	53314
INSURANCE WORKERS	312	53300
INTERIOR DESIGNERS	259	34041
INTERVIEW CLERKS-EX PERSONNEL, WELFARE	351	55332
INVESTIGATIVE, RELATED, EX INSURANCE	318	53500
INVESTIGATORS-CLERICAL	320	53505
JANITORS, CLEANERS-EXCEPT MAIDS	445	67005

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
JEWELERS AND SILVERSMITHS	634	89123
JOB PRINTERS	658	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	485	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS—METAL, PLASTIC	689	91105
LATHERS	573	87114
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS—METAL, PRECISION	632	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS—EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPERATORS	739	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS—PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	331	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	325	53708
LICENSED VOCATIONAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING WORKERS, NEC	667	89719
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	661	89710
LAUNDRY, DRYCLEAN MACH OPS—EX PRESS	759	92726
LOADING MACHINE OPERATORS—MINING	875	97932
LOAN AND CREDIT CLERKS	308	53121
LOAN INTERVIEWERS	305	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	555	85923
LOCOMOTIVE ENGINEERS	843	97305
LOCOMOTIVE FIRERS	845	97311
LODGING AND TRAVEL WORKERS	326	53800
LOG GRADERS AND SCALERS	477	79008
LOG HANDLING EQUIPMENT OPERATORS	472	73008
LOGGING TRACTOR OPERATORS	473	73011
LONGSHORE EQUIPMENT OPERATORS	865	97902
MACHINE BUILDERS & OTHER PRECISION MACH ASSEMBLER	792	93105
MACHINE FORMING OPS, TENDERS—METAL, PLASTIC	701	91321
MACHINE FORMING SETTERS—METAL, PLASTIC	694	91300
MACHINE SETTER, SET-UP, OP—EX METAL, PLASTIC	761	92900
MACHINE SETTERS, SET-UP OPERATORS, & TENDERS	686	91000
MACHINE TOOL CUTTING OPS—METAL, PLASTIC	693	91117
MACHINE TOOL CUTTING—METAL, PLASTIC	687	91100
MACHINE TOOL SETTERS, OPS—METAL, PLASTIC	702	91500

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MACHINE ASSEMBLERS	799	93902
MACHINE FEEDERS AND OFFBEARERS	898	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	899	98502
MACHINE OPERATORS AND TENDERS, NEC	788	92998
MACHINE SETTERS & SET-UP OPERATORS, NEC	787	92997
MACHINERY AND RELATED MECHANICS	504	85100
MACHINERY MAINT MECHANICS, NEC	511	85119
MACHINERY MAINTENANCE MECHANICS	505	85110
MACHINERY MAINTENANCE WORKERS	514	85128
MACHINISTS	629	89108
MAIDS AND HOUSEKEEPING CLEANERS	444	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL	374	57302
MAIL MACHINE OPERATORS--PREP AND HANDLING	360	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	373	57300
MAIN LINE STATION ENGINEERS	869	97914
MAINTENANCE MECHANICS--MARINE EQUIP	508	85116
MAINTENANCE MECHANICS--WATER, POWER	510	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	515	85132
MAINTENANCE MECHANICS--SEWING MACHINE	507	85113
MAINTENANCE MECHANICS--TEXTILE	506	85112
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	452	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKING CLERKS	385	58021
MASONS AND RELATED WORKERS	577	87300
MATERIAL MOVEMENT EQUIPMENT OPERATORS	864	97900
MATERIAL MOVING EQUIP OPERATORS, NEC	884	97989
MATERIAL RECORDING, DISPATCHING	378	58000
MATERIAL RECORDING, RELATED, NEC	389	58099
MATES--SHIP, BOAT, AND BARGE	851	97505
MATH SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS--HAND	811	93938
MECHANICAL CONTROL, VALVE INSTALLERS	557	85928
MECHANIC AND REPAIRER HELPERS	887	98100
MECHANIC AND REPAIRER HELPERS, NEC	888	98102
MECHANICAL ENGINEERING TECHNICIANS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	503	85000
MECHANICS, NEC	527	85399
MECHANICS, INSTALLERS, REPAIRERS, NEC	566	85999
MEDICAL, CLINICAL LAB ASSISTANTS	232	32905
MEDICAL, CLINICAL LAB TECHNOLOGISTS	231	32902

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MEDICAL APPLIANCE MAKERS	683	89923
MEDICAL ASSISTANTS	434	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICINE, HEALTH SERVICES MANAGERS	11	15008
MENDERS, GARMENTS AND LINENS	565	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	285	49000
MESSENGERS	377	57311
METAL FABRICATING MACH SETTERS, OPS	706	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	711	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	716	91911
METAL MOLDING, MACHINE SETTER, SET-UP	715	91908
METAL POURERS, CASTERS--BASIC	812	93941
METAL WORKERS, NEC--PRECISION	639	89199
METAL WORKERS, PRECISION	626	89100
METAL, PLASTIC MACHINE SETTERS, OPS NEC	727	92100
METAL, PLASTIC PROCESS MACHINE SETTERS	712	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	383	58014
MANAGERS AND ADMINISTRATIVE OCCUPATIONS	2	10000
MILLING MACHINE SETTERS--METAL, PLASTIC	691	91111
MILLWRIGHTS	512	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	621	87943
MINING ENGINEERS--INCL MINE SAFETY	55	22108
MINING MACHINE OPERATORS	619	87940
MINING MACHINE OPERATORS, NEC	622	87949
MINING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AGRICULTURE, FORESTRY, FISHING	475	79000
MISC HELPERS, LABORERS--HAND	904	98900
MISC HELPERS, LABORERS--HAND, NEC	907	98999
MISC INDUSTRY SPECIFIC CLERICAL	330	53900
MISC MECHANICS, INSTALLERS, REPAIRERS	547	85900
MISC METAL, PLASTIC MACHINE SETTERS OPERATORS	726	91999
MISC PERSONAL SERVICE OCCUPATIONS	449	68000
MISC PROFESSIONALS, PARAPROFS, TECHNICAL	266	39000
MISC SECRETARIAL, GENERAL OFFICE OCCS	341	55300
MISC SERVICE WORKERS	464	69000
MISC TRANSPORTATION WORKERS	859	97800
MARKETING, ADVERTISING, PUBLIC-RELATIONS MANAGERS	6	13011
MOBILE EQUIPMENT MECHANICS, REPAIRERS	516	85300
MOBILE HEAVY EQUIP MECHANICS--EX ENGINE	521	85314
MODELS	296	49036
MOLDERS AND CASTERS--HAND	813	93944
MOLDERS, SHAPERS--EX JEWELRY	677	89905
MOTION PICTURE PROJECTIONISTS	763	92905
MOTOR VEHICLE OPERATORS	833	97100
MOTOR VEHICLE OPERATORS, NEC	840	97199
MOTORBOAT OPERATORS	853	97511
MOTORCYCLE REPAIRERS	519	85308

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MUNICIPAL CLERKS	324	53705
MUNICIPAL WORKERS	322	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	554	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NEW ACCOUNTS CLERKS	303	53105
NONELECTROLYTIC PLATING & COATING MACHINE-OPS	721	91926
NONELECTROLYTIC PLATING MACHINE-SETTERS & SET-UP	720	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS	98	24508
NUMERICAL MACHINE TOOL OPS--METAL, PLASTIC	703	91502
NURSE AIDES, ORDERLIES, ATTENDANTS	435	66008
NURSERY & GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS	439	66021
OCCUPATIONS NOT CLASSIFIED	908	
OFFICE MACHINE, CASH REGISTER SERVICERS	556	85926
OFFICE MACHINE OPERATORS, NEC	365	56099
OFFSET LITHOGRAPHIC PRESS SETTERS	738	92512
OIL PUMPERS--EXCEPT WELL HEAD	867	97908
OPERATING ENGINEERS	883	97956
OPERATIONS & SYSTEMS RESEARCHERS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	681	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	348	55323
ORDER FILLERS--WHOLESALE & RETAIL SALE	387	58026
ORDINARY SEAMEN AND MARINE OILERS	855	97517
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER ELECTRICAL EQUIPMENT MECHANICS	535	85700
OTHER HAND WORKERS	798	93900
OTHER HEALTH PROFESSIONALS, PARAPROFS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	675	89900
OTHER PROFESSIONALS, PARAPROF, TECHNICAL	272	39999
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	786	92974
PAINT, COAT & SPRAY MACHINE SETTERS	778	92951
PAINTERS AND RELATED WORKERS	584	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION	585	87402
PAINTERS, TRANSPORTATION EQUIPMENT	777	92947
PAINTING, COATING, DECORATING--HAND	814	93947
PAINTING, RELATED MACHINE OPERATORS, TENDERS	779	92953
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	766	92914
PARALEGAL PERSONNEL	141	28305
PARKING ENFORCEMENT OFFICERS	405	63021

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PARKING LOT ATTENDANTS	862	97808
PARKS, REC, LEISURE, FITNESS STUDIES TEACHERS, POST	181	31258
PASTE UP WORKERS	659	89706
PATTERN AND MODEL MAKERS--METAL	631	89114
PATTERN AND MODEL MAKERS--WOOD	641	89302
PATTERN MARKERS--WOOD	642	89305
PATTERNMAKERS AND LAYOUT WORKERS	648	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	678	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	598	87708
PAYROLL AND TIMEKEEPING CLERKS	354	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	362	56014
PERSONNEL CLERKS--EX PAYROLL	345	55314
PERSONNEL, TRAINING, LABOR-RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS	37	21500
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS, NEC	41	21511
PERSONAL AND HOME CARE AIDES	461	68035
PEST CONTROLLERS AND ASSISTANTS	446	67008
PETROLEUM REFINERY, CONTROL PANEL OPERATORS	824	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	823	95011
PETROLEUM TECHNICIANS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	441	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	662	89712
PHOTOENGRAVING, LITHOGRAPHING MACHINE OPERATORS	747	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESSING MACHINE OPS & TENDERS	764	92908
PHOTOGRAPHIC PROCESS WORKER, PRECISION	680	89914
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	438	66017
PHYSICAL, LIFE SCIENCE TECHNICIANS	95	24500
PHYSICAL, LIFE SCIENCE TECHNICIANS, NEC	100	24599
PHYSICIANS AND SURGEONS	205	32102
PHYSICIAN'S ASSISTANTS	224	32511
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	597	87705
PILOTS--SHIP	852	97508
PIPELAYERS	589	87508
PIPELAYING FITTERS	588	87505
PLANT AND SYSTEM OCCUPATIONS	819	95000
PLANT AND SYSTEM OPERATORS, NEC	831	95099
PLAST MOLDING, CASTING MACHINE SETTER	713	91902
PLASTERERS AND STUCCO MASONS	583	87317
PLASTIC MOLDING, CASTING MACHINE OPS	714	91905

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLATEMAKERS	666	89718
PLUMBERS AND RELATED WORKERS	586	87500
PLUMBERS, PIPEFITTERS, STEAMFITTER	587	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	395	61005
POLICE DETECTIVES	402	63011
POLICE PATROL OFFICERS	403	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	808	93928
POSTAL MAIL CARRIERS	375	57305
POSTAL SERVICE CLERKS	376	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	829	95028
POWER PLANT OPS-EX AUXILIARY EQUIPMENT	826	95021
POWER REACTOR OPERATORS	828	95026
POWERHOUSE, RELATED ELECTRICIANS	542	85721
PRESS MACHINE SETTERS-METAL, PLASTIC	696	91305
PRESSERS-DELICATE FABRICS	653	89517
PRESSERS-HAND	805	93921
PRESSING MACH OPS-TEXTILE, GARMENT	760	92728
PRINT PRESS SETTERS,SET UP OPS	737	92510
PRINT PRESS SETTERS,SET-UP OPS NEC	740	92519
PRINT REL SETTERS, SET-UP OPS, NEC	744	92529
PRINT, BINDING, RELATED MACHINE OPS, TENDER	749	92549
PRINTING PRESS MACHINE OPS, TENDER	746	92543
PRINTING WORKERS, NEC-PRECISION	669	89799
PRINTING WORKERS, PRECISION	656	89700
PRINTING, BINDING, RELATED WORKERS	736	92500
PROCUREMENT CLERKS	349	55326
PROD INSPECTORS, TESTERS, & GRADER	500	83005
PROD, CONST, OPER, MATERIAL HANDLING	490	80000
PROD, PLANNING, EXPEDITING CLERKS	381	58008
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	625	89000
PROFESSIONAL, PARAPROF, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	334	53911
PROPERTY AND REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	398	63000
PROTECTIVE SERVICE WORKERS, NEC	415	63099
PRUNERS	483	79033
PSYCHIATRIC AIDES	437	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237
PUBLIC ADMIN CHIEF EXECUTIVES, LEGISLATORS	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	882	97953
PUNCH MACHINE SETTERS-METAL, PLASTIC	695	91302

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PURCHASING AGENTS AND BUYERS--FARM PRODUCTS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODS	36	21308
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	533	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	522	85317
RAIL TRANSPORTATION WORKERS	841	97300
RAIL VEHICLE OPERATIVES, NEC	848	97399
RAIL YARD ENGINEERS AND RELATED	844	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	847	97317
RAILROAD CONDUCTORS, YARDMASTERS	842	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	411	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPS	600	87714
REAL ESTATE CLERKS	335	53914
RECEPTIONISTS, INFORMATION CLERKS	343	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	513	85126
REFUSE COLLECTORS	902	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	582	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANS TICKET AGENTS	328	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY CARE PRACTITIONERS	213	32302
RIGGERS	559	85935
ROASTING, BAKING MACHINE OPERATORS--FOOD	768	92921
ROCK SPLITTERS, QUARRY	613	87908
ROLLING MACH SETTERS--METAL, PLASTIC	699	91314
ROOF BOLTERS	618	87923
ROOFERS	605	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACT	614	87911
ROUSTABOUTS	617	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	276	43002
SALES AGENTS--ADVERTISING	283	43023
SALES AGENTS--FINANCIAL SERVICES	280	43014
SALES AGENTS--REAL ESTATE	278	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	281	43017
SALES AGENTS--SERVICE	275	43000
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	297	49999
SALES ENGINEERS	286	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC EX RET	288	49008
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	287	49005

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES REPRESENTATIVES, SERVICE--NEC	284	43099
SALESPERSONS, RETAIL	289	49011
SALESPERSONS--PARTS	290	49014
SAW MACHINE TOOL SETTERS--METAL, PLASTIC	688	91102
SAWING MACHINE OPERATORS AND TENDERS	733	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	731	92302
SCANNER OPERATORS	664	89715
SCREEN PRINT MACHINE SETTERS, SET-UP	742	92524
SECRETARIAL, GENERAL OFFICE OCCUPATIONSS	336	55000
SECRETARIES	337	55100
SECRETARIES, GENERAL	340	55108
SECRETARIES, LEGAL	338	55102
SECRETARIES, MEDICAL	339	55105
SELECTED ROAD, RAIL AND RELATED	595	87700
SEPARATING, STILL MACHINE OPS, TENDERS	782	92962
SEPTIC TANK, SEWER PIPE SERVICERS	590	87511
SERVICE OCCUPATIONS	392	60000
SERVICE STATION ATTENDANTS	861	97805
SERVICE UNIT OPERATORS	616	87917
SERVICE WORKERS, NEC	465	69999
SEWERS--HAND	806	93923
SEWING MACHINE OPERATORS--GARMENT	756	92717
SEWING MACHINE OPS--NON-GARMENT	757	92721
SHAMPOOERS	453	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	697	91308
SHEET METAL DUCT INSTALLERS	604	87805
SHEET METAL WORKERS	637	89132
SHERIFFS AND DEPUTY SHERIFFS	409	63032
SHIP ENGINEERS	856	97521
SHIPFITTERS	633	89121
SHOE AND LEATHER WKRS--PRECISION	651	89511
SHOE SEWING MACHINE OPS, TENDERS	758	92723
SHUTTLE CAR OPERATORS	876	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	532	85511
SLAUGHTERERS AND BUTCHERS	671	89802
SMALL ENGINE SPECIALISTS	526	85328
SOCIAL SCI, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY,	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENCE--INCL URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	804	93917
SOLDERING, BRAZING MACH OPS, TENDERS	710	91711
SOLDERING, BRAZING MACH SETTERS	709	91708
SPEC MATERL PRINTING MACH SETTERS	741	92522
SPECIAL AGENTS--INSURANCE	39	21505
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SPOTTERS--DRY CLEANING	652	89514
SPRAYERS, APPLICATORS	484	79036
STATEMENT CLERKS	310	53126
STATION INSTALLERS--TELEPHONE	544	85726
STATIONARY ENGINEERS	830	95032
STATISTICAL CLERKS	350	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTER	342	55302
STEVEDORES--EX EQUIPMENT OPERATORS	901	98702
STOCK CLERKS--SALES FLOOR	292	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	386	58023
STONE MASONS	579	87305
STRIPPERS	665	89717
STRUCTURAL METAL WORKERS	607	87814
SUBWAY AND STREETCAR OPERATORS	846	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING AND MAPPING SCIENTISTS	72	22311
SURVEYING AND MAPPING TECHNICIANS	80	22521
SWITCHBOARD OPERATORS	368	57102
SYSTEMS ANALYSTS--ELECTRIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	866	97905
TAPERS	572	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	838	97114
TEACHER AIDES & EDUCATIONAL ASSISTANTS, CLERICAL	332	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS, KINDERGARTEN	186	31304
TEACHERS, PRESCHOOL	185	31303
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL ED AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	371	57111
TELEGRAPH, TELETYPE INSTALLERS	531	85508
TELEMARKETERS, SOLICITORS & RELATED	294	49026
TELEPHONE, CABLE TV INSTALLERS	536	85702
TELLERS	302	53102
TEXTILE, APPAREL, FURNISHINGS, NEC--PRECISION	655	89599
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	755	92714
TEXTILE DRAW-OUT MACH OPERATORS, TENDERS	754	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	751	92702
TEXTILE OPERATORS, TENDERS--WIND, TWIST, KNIT	752	92705
TEXTILE, APPAREL, FURNISHINGS, PRECISION	647	89500
TEXTILE, RELATED SETTERS, OPERATORS	750	92700
THERAPISTS	212	32300

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	469	73000
TIMBER CUTTING AND RELATED, NEC	474	73099
TIRE BUILDING MACHINE OPERATORS	765	92911
TIRE REPAIRERS AND CHANGERS	564	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	627	89102
TOOL GRINDERS, FILERS, SHARPENERS	630	89111
TRAFFIC TECHNICIANS	268	39005
TRAFFIC, SHIPPING, RECEIVING CLERKS	388	58028
TRANS AND RELATED WORKERS, NEC	863	97899
TRANS ATTENDANTS--EX FLIGHT	459	68028
TRANS, MATERIAL MOVING EQUIPMENT OPS, NEC	885	97999
TRANS, MATERIAL MOVING MACHINE OPS	832	97000
TRANSIT CLERKS	304	53108
TRANSPORTATION AGENTS	382	58011
TRANSPORTATION INSPECTORS	501	83008
TRAVEL AGENTS	282	43021
TRAVEL CLERKS	327	53802
TRUCK DRIVERS, HEAVY	834	97102
TRUCK DRIVERS, LIGHT	835	97105
TYPESETTING, COMPOSING MACHINE OPS	745	92541
TYPISTS, INCLUDING WORD PROCESSING	344	55307
U.S. MARSHALLS	407	63026
UNDERGROUND MINE MACHINE MECHANICS	509	85117
UNDERWRITERS	26	21102
UPHOLSTERERS	650	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	456	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	906	98905
VETERINARY ASSISTANTS	486	79806
VETERINARY TECHNICIANS	243	32951
VETS AND VETERINARY INSPECTORS	210	32114
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	419	65008
WARDROBE ATTENDANTS	460	68032
WATCH ASSEMBLERS, RELATED--PRECISION	796	93117
WATCHMAKERS	553	85917
WATER TRANSPORTATION WORKERS	849	97500
WATER TREATMENT PLANT OPERATORS	820	95002
WEIGHERS, MEASURERS--RECORDKEEPING	384	58017
WELDERS AND CUTTERS	803	93914
WELDING MACH OPERATORS AND TENDERS	708	91705
WELDING MACH SETTERS, SET-UP OPS	707	91702
WELFARE ELIGIBILITY WORKERS, INTERVIEWERS	319	53502
WELL HEAD PUMPERS	868	97911
WHOLESALE AND RETAIL BUYERS--EX FARM PRODS	34	21302
WOOD MACHINISTS	643	89308
WOODWORK MACH OPS, TNDRS--EX SAWING	735	92314

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WOODWORK MACH SETTERS--EX SAWING	734	92311
WOODWORKERS, NEC--PRECISION	646	89399
WOODWORKERS, PRECISION	640	89300
WOODWORKING MACHINE SETTERS, OPS	730	92300
WORKERS, PRECISION--NEC	685	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTER, ATHLETES	245	34000

Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers

to aid in providing services. Trade associations and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore
Marathon Plaza, Room 141-S
303 2nd Street
San Francisco, CA 94107
Phone - (415) 512-2770
Fax - (415) 512-2776
<http://access.gpo.gov>

North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada, and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

Relevant. NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

Consistent. NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

Comparable. NAICS provides first-ever comparability in North American industry classifications and economic statistics.

Flexible. NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

How NAICS will affect the economic data you use.

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

All new numbering system

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

www.census.gov/naics

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS

E-mail: naics@census.gov

Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

Principal Data Sources

Employment by Industry

The Employment Development Department (EDD) collects payroll data from all private employers and government entities covered under the unemployment insurance, disability insurance, and personal income tax programs. Excluded from these data are the self-employed, unpaid family workers, and private household workers. Each reporting unit is classified according to the Standard Industrial Classification (SIC) System. The SIC system consists of three levels of detail: the two-digit major industry division, the three-digit sub-industry division, and the four-digit specific industry division. All data are identified by the county in which reported jobs are located.

Current Employment Statistics (CES) Survey

The official historical industry employment series for the State, its counties and metropolitan areas is collected through the Current Employment Statistics (CES) program of the Labor Market Information Division of EDD. Employment is estimated using a sampling of private employers and government entities who are surveyed each month. The series is monitored on an ongoing basis, reviewed for accuracy and benchmarked each year. The series includes a combination of two-digit and three-digit SIC code aggregations.

Covered Employment and Wage Data (ES-202 Data)

Industry forecasts based on the CES industry employment aggregations are broken down into their four-digit industry components. The process used to accomplish this task is termed “disaggregation”. The source used for disaggregating the CES industry employment forecast is the ES-202 Employment and Wage data series which is developed from data compiled from the quarterly Employment Tax Returns filed by all California employers. The four digit industry data gathered from these tax returns provides the actual industry employment information used for both benchmarking the CES industry employment series and disaggregating the CES industry employment forecasts.

Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics program.

Occupational Employment Statistics (OES) Survey

The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the four-digit SIC level of detail.

The survey samples approximately 113,000 business establishments over a three year period. The OES data used in this module were collected over the (1996–1998) period.

The Process

Industry Projections

Industry employment projections for both the State and counties are developed using a two step process. First, projections are developed at aggregate industry levels (i.e. Mining, Construction, etc.) and then at four-digit industry levels, the most finite level of industry description (i.e. Industry 1521, General Contractors-Single Family Houses). The four-digit forecasts are the primary source from which occupational projections are developed using industry staffing patterns data.

Overview of the Process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.
- County industry projections are then developed using input from the state fore-

cast and the historical employment series for each county.

- Industry employment forecasts for both the State and counties are developed using a autoregressive model that relies primarily on the above referenced factors. State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by both LMID's industry analysts and local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and firm size and matched with the appropriate SIC and firm size combination in the local area. (In cases where local OES responses are not available, either statewide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the four-digit SICs for the base year 1997.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies con-

ducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by four-digit SIC for the target year 2004. Target year staffing patterns are applied to the industry employment projections to produce occupational employment projections within four-digit SICs. Data by occupation are then summed to get the 1997 and 2004 occupational estimates. The difference between the 1997 occupation estimates and 2004 projections represents the job openings resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

Economic Assumptions

The industry and occupational projections in this report are based on the following assumptions:

- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government

agencies will continue to operate under budgetary constraints.

- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.

Projections & Planning Information

Module E:

Wages

Table of Contents

Module E: Occupational Wages	PAGE
Introduction.....	E-v
Occupational Employment Statistics Wage Survey Results	E-1

Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at www.bls.gov.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

Size Class	Number of Employees
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

Interval	Hourly Wage	Annual Wage
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

Metropolitan Area The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

Bakersfield MSA

Kern County

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$17.41	\$26.00	\$19.57	\$23.84	\$29.23
11-3011	Administrative Services Managers	\$14.72	\$28.19	\$17.22	\$26.76	\$37.51
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$20.77	\$26.52	\$23.88	\$27.95	\$31.48
11-2011	Advertising and Promotions Managers	\$14.81	\$26.43	\$18.17	\$22.72	\$33.59
41-3011	Advertising Sales Agents	\$8.93	\$21.70	\$9.87	\$14.95	\$22.53
17-2011	Aerospace Engineers	\$26.99	\$36.70	\$30.37	\$37.40	\$43.26
19-4011	Agricultural and Food Science Technicians	\$9.33	\$13.28	\$9.61	\$10.89	\$15.16
19-1010	Agricultural and Food Scientists	\$23.28	\$31.94	\$26.64	\$33.15	\$38.97
45-2091	Agricultural Equipment Operators	\$6.75*	\$8.54	\$6.86	\$7.62	\$8.68
45-2011	Agricultural Inspectors	\$13.38	\$18.03	\$15.11	\$17.67	\$20.17
49-3011	Aircraft Mechanics and Service Technicians	\$17.22	\$22.15	\$19.03	\$22.87	\$25.62
53-2022	Airfield Operations Specialists	\$15.31	\$21.86	\$15.34	\$16.98	\$30.22
27-1099	All Other Art and Design Workers	\$13.60	\$23.30	\$17.35	\$23.75	\$29.86
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$7.52	\$12.83	\$7.67	\$12.52	\$16.00

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-4999	All Other Construction Trades and Related Workers	\$8.80	\$13.91	\$9.57	\$13.12	\$17.22
21-9099	All Other Counselors, Social and Religious Workers	\$7.95	\$14.56	\$8.42	\$15.58	\$17.87
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$17.59	\$26.90	\$21.22	\$28.24	\$32.91
43-4999	All Other Financial, Information, and Record Clerks	\$11.65	\$20.94	\$13.57	\$18.89	\$27.54
29-9199	All Other Health Professionals and Technicians	\$7.11	\$11.90	\$7.44	\$9.87	\$14.72
23-9099	All Other Legal and Related Workers	\$13.20	\$21.35	\$14.90	\$18.56	\$26.45
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
39-3091	Amusement and Recreation Attendants	\$6.75*	\$8.32	\$6.75*	\$7.27	\$8.53
27-3010	Announcers	\$8.45	\$16.46	\$9.54	\$12.48	\$19.76
17-1011	Architects, Except Landscape and Naval	\$17.22	\$23.53	\$18.09	\$22.32	\$28.44
17-3011	Architectural and Civil Drafters	\$8.25	\$15.96	\$9.49	\$15.09	\$19.94
17-0000	Architecture and Engineering Occupations	\$20.02	\$32.34	\$23.75	\$31.60	\$40.27
25-4010	Archivists, Curators, and Museum Technicians	\$11.06	\$20.19	\$11.11	\$20.87	\$26.62
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$8.70	\$17.62	\$9.95	\$15.10	\$23.10
51-2099	Assemblers and Fabricators, All Other	\$7.04	\$8.99	\$7.25	\$8.27	\$9.38
27-4011	Audio and Video Equipment Technicians	\$8.19	\$15.13	\$8.74	\$15.38	\$20.03
29-1121	Audiologists	\$23.50	\$30.66	\$25.75	\$30.76	\$36.37
49-3021	Automotive Body and Related Repairers	\$8.86	\$14.84	\$9.57	\$13.02	\$19.64
49-3023	Automotive Service Technicians and Mechanics	\$9.90	\$15.27	\$11.07	\$14.99	\$18.09
51-3011	Bakers	\$7.75	\$11.01	\$8.18	\$11.03	\$13.50

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-3011	Bartenders	\$6.75*	\$8.09	\$6.93	\$7.66	\$8.73
43-3011	Bill and Account Collectors	\$8.03	\$10.86	\$8.38	\$9.88	\$12.12
43-3021	Billing and Posting Clerks and Machine Operators	\$8.83	\$11.88	\$9.66	\$11.12	\$14.68
51-5011	Bindery Workers	\$7.04	\$10.29	\$7.39	\$8.26	\$14.80
19-4021	Biological Technicians	\$11.76	\$16.71	\$12.90	\$15.96	\$20.00
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$9.06	\$13.05	\$10.20	\$12.53	\$15.49
47-2021	Brickmasons and Blockmasons	\$13.63	\$20.03	\$17.06	\$20.50	\$23.33
13-2031	Budget Analysts	\$18.86	\$26.25	\$20.73	\$25.32	\$30.90
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$6.75*	\$10.41	\$7.02	\$8.87	\$13.03
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$11.39	\$16.21	\$13.04	\$15.98	\$19.48
53-3022	Bus Drivers, School	\$11.60	\$14.08	\$12.47	\$14.36	\$16.10
53-3021	Bus Drivers, Transit and Intercity	\$8.93	\$10.86	\$9.34	\$10.28	\$11.25
13-0000	Business and Financial Operations Occupations	\$15.55	\$25.83	\$18.36	\$24.47	\$32.12
13-1199	Business Operations Specialists, All Other	\$16.81	\$26.83	\$20.70	\$26.67	\$33.54
51-3021	Butchers and Meat Cutters	\$7.27	\$12.93	\$8.24	\$11.65	\$18.45
51-7011	Cabinetmakers and Bench Carpenters	\$8.49	\$11.88	\$9.06	\$10.95	\$14.26
27-4031	Camera Operators, Television, Video, and Motion Picture	\$13.40	\$23.33	\$15.64	\$25.35	\$31.19
47-2031	Carpenters	\$11.27	\$17.40	\$12.75	\$16.53	\$22.13
47-2041	Carpet Installers	\$8.93	\$15.03	\$9.87	\$15.93	\$19.14
41-2011	Cashiers	\$6.75*	\$8.61	\$6.75*	\$7.25	\$9.00

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2051	Cement Masons and Concrete Finishers	\$10.93	\$14.86	\$12.09	\$14.97	\$17.23
35-1011	Chefs and Head Cooks	\$12.40	\$17.03	\$14.63	\$18.32	\$20.25
51-8091	Chemical Plant and System Operators	\$20.93	\$23.00	\$20.23	\$21.87	\$23.61
19-4031	Chemical Technicians	\$13.85	\$21.17	\$15.65	\$19.76	\$25.85
19-2031	Chemists	\$18.78	\$31.29	\$21.91	\$31.69	\$40.60
11-1011	Chief Executives	\$35.34	(3)	\$42.89	\$59.60	>\$70.00
39-9011	Child Care Workers	\$7.50	\$9.33	\$8.00	\$9.33	\$10.77
21-1021	Child, Family, and School Social Workers	\$10.07	\$15.90	\$11.68	\$14.89	\$19.42
29-1011	Chiropractors	\$20.75	\$35.97	\$26.05	\$39.72	\$44.16
17-3022	Civil Engineering Technicians	\$17.65	\$22.16	\$19.20	\$21.68	\$25.41
17-2051	Civil Engineers	\$24.69	\$32.91	\$28.17	\$32.77	\$38.88
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$7.68	\$6.75*	\$7.21	\$8.26
21-2011	Clergy	\$11.22	\$20.22	\$12.68	\$22.22	\$26.57
19-3031	Clinical, Counseling, and School Psychologists	\$22.16	\$31.07	\$27.20	\$32.48	\$36.98
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$7.50	\$10.77	\$8.12	\$10.60	\$12.89
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.50	\$6.75*	\$7.50	\$8.29
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$11.29	\$15.85	\$12.34	\$16.53	\$19.50
21-0000	Community and Social Services Occupations	\$10.11	\$19.26	\$12.07	\$17.75	\$26.38

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$16.12	\$23.23	\$18.17	\$21.75	\$26.93
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$14.51	\$22.04	\$15.80	\$19.41	\$27.56
15-1011	Computer and Information Scientists, Research	\$28.35	\$36.15	\$31.72	\$37.07	\$41.50
11-3021	Computer and Information Systems Managers	\$26.67	\$39.08	\$31.10	\$36.81	\$48.44
15-0000	Computer and Mathematical Occupations	\$16.93	\$28.24	\$19.95	\$28.23	\$36.19
43-9011	Computer Operators	\$10.49	\$16.00	\$11.97	\$15.23	\$18.80
15-1021	Computer Programmers	\$20.53	\$29.35	\$22.84	\$29.33	\$34.96
15-1031	Computer Software Engineers, Applications	\$18.24	\$29.82	\$20.89	\$27.79	\$37.79
15-1032	Computer Software Engineers, Systems Software	\$18.70	\$28.01	\$20.17	\$26.16	\$35.07
15-1099	Computer Specialists, All Other	\$12.42	\$22.38	\$14.53	\$20.27	\$26.80
15-1041	Computer Support Specialists	\$12.51	\$19.13	\$14.30	\$18.00	\$22.55
15-1051	Computer Systems Analysts	\$22.08	\$31.48	\$25.86	\$32.28	\$38.74
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$11.07	\$16.57	\$12.20	\$15.32	\$18.94
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$7.99	\$9.66	\$7.86	\$8.50	\$9.26
47-4011	Construction and Building Inspectors	\$11.97	\$19.12	\$12.53	\$15.87	\$25.58
47-0000	Construction and Extraction Occupations	\$10.40	\$17.26	\$11.82	\$16.32	\$21.43
47-2061	Construction Laborers	\$8.22	\$11.98	\$8.98	\$11.13	\$13.87
11-9021	Construction Managers	\$24.13	\$33.91	\$25.76	\$31.29	\$41.71
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	\$11.85	\$19.92	\$15.06	\$22.05	\$25.62
53-7011	Conveyor Operators and Tenders	\$8.71	\$11.99	\$9.29	\$10.76	\$13.82

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-2011	Cooks, Fast Food	\$6.75*	\$6.97	\$6.75*	\$7.05	\$7.80
35-2012	Cooks, Institution and Cafeteria	\$9.25	\$12.13	\$9.77	\$11.19	\$13.81
35-2014	Cooks, Restaurant	\$7.40	\$9.11	\$7.83	\$9.17	\$10.42
35-2015	Cooks, Short Order	\$7.21	\$7.99	\$7.28	\$7.90	\$8.51
51-9193	Cooling and Freezing Equipment Operators and Tenders	\$9.13	\$14.78	\$10.36	\$14.40	\$19.64
33-3012	Correctional Officers and Jailers	\$16.51	\$22.38	\$20.18	\$23.79	\$26.19
43-4021	Correspondence Clerks	\$8.47	\$12.65	\$10.10	\$12.83	\$15.78
13-1051	Cost Estimators	\$14.97	\$23.20	\$18.00	\$22.07	\$28.28
41-2021	Counter and Rental Clerks	\$7.05	\$9.51	\$7.34	\$8.47	\$11.35
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$7.47	\$6.75*	\$6.75*	\$7.83
43-5021	Couriers and Messengers	\$7.65	\$9.76	\$7.49	\$8.11	\$9.17
23-2091	Court Reporters	\$27.12	\$31.82	\$29.41	\$32.26	\$34.95
53-7021	Crane and Tower Operators	\$14.66	\$20.99	\$15.61	\$21.35	\$26.46
13-2041	Credit Analysts	\$14.73	\$29.14	\$17.72	\$27.80	\$40.41
43-4041	Credit Authorizers, Checkers, and Clerks	\$9.37	\$12.21	\$10.31	\$11.87	\$13.57
33-9091	Crossing Guards	\$6.75*	\$7.53	\$6.75*	\$7.42	\$8.73
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$6.80	\$11.81	\$7.19	\$8.26	\$19.35
43-4051	Customer Service Representatives	\$8.40	\$12.73	\$8.89	\$10.84	\$15.24
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.74	\$11.02	\$8.09	\$10.02	\$12.91

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-9021	Data Entry Keyers	\$8.66	\$11.68	\$9.38	\$10.94	\$13.95
15-1061	Database Administrators	\$15.53	\$25.69	\$16.39	\$20.79	\$32.17
31-9091	Dental Assistants	\$8.07	\$13.22	\$8.55	\$11.53	\$17.67
29-2021	Dental Hygienists	\$31.71	\$44.57	\$33.56	\$40.19	\$58.46
51-9081	Dental Laboratory Technicians	\$7.88	\$10.28	\$7.92	\$8.76	\$12.43
29-1020	Dentists	\$41.11	\$54.34	\$45.40	\$54.88	\$58.89
47-5011	Derrick Operators, Oil and Gas	\$12.37	\$16.99	\$13.55	\$17.73	\$20.02
33-3021	Detectives and Criminal Investigators	\$24.29	\$30.23	\$26.55	\$30.43	\$34.33
29-2032	Diagnostic Medical Sonographers	\$11.10	\$21.23	\$10.94	\$23.77	\$27.26
29-1031	Dietitians and Nutritionists	\$15.32	\$22.03	\$17.62	\$21.96	\$26.55
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$7.26	\$6.75*	\$7.09	\$7.99
21-2021	Directors, Religious Activities and Education	\$6.75*	\$11.61	\$7.04	\$12.01	\$13.48
35-9021	Dishwashers	\$6.75*	\$7.35	\$6.75*	\$7.38	\$8.13
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$10.71	\$15.83	\$12.04	\$14.74	\$19.56
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.66	\$12.66	\$10.03	\$11.37	\$15.19
53-3031	Driver/Sales Workers	\$6.75*	\$9.25	\$6.75*	\$7.64	\$10.37
47-2081	Drywall and Ceiling Tile Installers	\$12.24	\$16.20	\$12.97	\$16.04	\$19.88
47-5021	Earth Drillers, Except Oil and Gas	\$11.28	\$18.39	\$14.54	\$18.81	\$21.61
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$10.13	\$19.08	\$12.18	\$17.46	\$21.97

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-0000	Education, Training, and Library Occupations	\$10.79	\$21.00	\$12.65	\$20.69	\$27.75
25-9199	Education, Training, and Library Workers, All Other	\$6.86	\$9.76	\$6.78	\$7.21	\$12.31
21-1012	Educational, Vocational, and School Counselors	\$14.82	\$23.37	\$17.36	\$24.81	\$28.51
49-2092	Electric Motor, Power Tool, and Related Repairers	\$11.09	\$17.17	\$12.82	\$17.20	\$21.66
17-3023	Electrical and Electronic Engineering Technicians	\$18.36	\$25.55	\$20.65	\$25.54	\$30.81
51-2022	Electrical and Electronic Equipment Assemblers	\$7.26	\$11.40	\$8.09	\$11.17	\$14.72
17-3012	Electrical and Electronics Drafters	\$14.80	\$21.10	\$17.25	\$20.73	\$26.09
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$14.72	\$18.96	\$15.55	\$18.66	\$21.67
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$16.34	\$22.34	\$19.64	\$23.34	\$26.19
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$15.63	\$21.91	\$18.89	\$22.22	\$26.26
17-2071	Electrical Engineers	\$24.04	\$33.12	\$28.73	\$34.94	\$40.12
47-2111	Electricians	\$13.81	\$20.80	\$15.67	\$20.48	\$25.96
17-3024	Electro-Mechanical Technicians	\$16.45	\$20.88	\$17.51	\$19.89	\$23.49
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$8.88	\$13.90	\$9.81	\$12.20	\$19.22
17-2072	Electronics Engineers, Except Computer	\$29.93	\$39.86	\$33.77	\$39.44	\$44.97
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
39-4011	Embalmers	\$17.62	\$21.83	\$18.51	\$20.85	\$23.11
13-1061	Emergency Management Specialists	\$14.32	\$25.48	\$15.73	\$24.49	\$33.05
13-1071	Employment, Recruitment, and Placement Specialists	\$14.18	\$21.04	\$15.89	\$19.64	\$24.50
51-2031	Engine and Other Machine Assemblers	\$9.10	\$13.33	\$8.91	\$14.50	\$16.23

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-9041	Engineering Managers	\$32.19	\$45.80	\$37.00	\$44.93	\$55.50
17-2199	Engineers, All Other	\$28.44	\$39.21	\$33.24	\$39.67	\$46.53
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$11.08	\$16.44	\$11.91	\$17.13	\$20.14
17-2081	Environmental Engineers	\$28.02	\$37.12	\$30.64	\$36.96	\$45.08
19-2041	Environmental Scientists and Specialists, Including Health	\$24.76	\$34.08	\$28.39	\$33.71	\$40.42
53-7032	Excavating and Loading Machine and Dragline Operators	\$13.69	\$16.34	\$14.92	\$16.52	\$18.03
43-6011	Executive Secretaries and Administrative Assistants	\$10.91	\$15.84	\$12.27	\$15.36	\$18.88
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	\$13.45	\$19.60	\$14.10	\$18.73	\$25.75
47-5099	Extraction Workers, All Other	\$14.38	\$16.76	\$14.94	\$16.73	\$19.19
29-1062	Family and General Practitioners	\$21.04	\$47.92	\$18.49	\$54.64	\$67.84
49-3041	Farm Equipment Mechanics	\$7.65	\$12.64	\$8.53	\$12.77	\$16.44
11-9011	Farm, Ranch, and Other Agricultural Managers	\$19.69	\$34.79	\$23.83	\$34.13	\$45.51
45-0000	Farming, Fishing, and Forestry Occupations	\$6.75*	\$7.07	\$6.75*	\$6.83	\$7.27
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$6.75*	\$9.38	\$7.02	\$7.98	\$9.84
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.75*	\$6.86	\$6.75*	\$6.81	\$7.25
47-4031	Fence Erectors	\$9.37	\$10.75	\$9.69	\$10.64	\$11.97
43-4071	File Clerks	\$7.35	\$10.00	\$7.94	\$9.71	\$11.97
13-2051	Financial Analysts	\$18.47	\$28.70	\$20.79	\$27.34	\$36.51
11-3031	Financial Managers	\$20.30	\$34.58	\$23.44	\$29.34	\$44.12

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2099	Financial Specialists, All Other	\$15.45	\$25.26	\$17.64	\$23.63	\$32.09
33-2011	Fire Fighters	\$13.83	\$18.06	\$15.12	\$18.10	\$21.06
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$17.81	\$26.65	\$20.64	\$25.75	\$32.01
33-1011	First-Line Supervisors/Managers of Correctional Officers	\$24.09	\$29.60	\$28.14	\$30.86	\$33.59
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$8.77	\$17.00	\$9.85	\$12.19	\$18.73
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$19.86	\$25.08	\$20.40	\$23.18	\$30.39
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$8.66	\$11.78	\$9.21	\$11.06	\$13.73
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$15.50	\$21.10	\$17.97	\$20.97	\$25.26
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$10.53	\$15.06	\$12.19	\$15.42	\$17.51
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$10.40	\$19.07	\$12.62	\$18.67	\$24.84
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$16.56	\$24.88	\$19.29	\$23.95	\$31.14
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$18.65	\$29.77	\$20.99	\$26.84	\$36.77
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$13.03	\$20.63	\$14.93	\$19.38	\$25.08
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$9.89	\$15.45	\$10.50	\$15.43	\$17.92
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$26.43	\$33.05	\$27.99	\$32.55	\$38.18
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.72	\$24.10	\$16.01	\$22.45	\$31.44
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.26	\$17.18	\$11.50	\$14.64	\$20.37
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$15.18	\$21.28	\$17.78	\$20.51	\$24.74

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$11.98	\$20.17	\$14.76	\$22.01	\$25.48
39-9031	Fitness Trainers and Aerobics Instructors	\$7.48	\$15.71	\$8.60	\$13.18	\$17.21
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$10.44	\$15.76	\$11.94	\$16.47	\$19.57
27-1023	Floral Designers	\$7.40	\$9.27	\$8.31	\$9.55	\$10.59
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$8.25	\$6.75*	\$7.59	\$8.72
35-2021	Food Preparation Workers	\$6.75*	\$9.07	\$6.89	\$8.73	\$11.10
35-3041	Food Servers, Nonrestaurant	\$6.75*	\$9.98	\$7.10	\$8.89	\$12.90
11-9051	Food Service Managers	\$12.75	\$16.60	\$14.08	\$15.89	\$17.58
19-4093	Forest and Conservation Technicians	\$10.47	\$13.59	\$11.13	\$12.78	\$15.62
39-4021	Funeral Attendants	\$7.60	\$9.32	\$8.43	\$9.45	\$10.31
11-9061	Funeral Directors	\$13.09	\$25.52	\$15.98	\$20.49	\$26.58
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$8.86	\$17.58	\$10.17	\$19.41	\$23.00
51-8092	Gas Plant Operators	\$19.99	\$25.48	\$21.91	\$25.75	\$28.88
11-1021	General and Operations Managers	\$20.06	\$35.63	\$23.51	\$32.01	\$46.12
19-2042	Geoscientists, Except Hydrologists and Geographers	\$31.14	\$37.76	\$36.01	\$39.23	\$42.46
47-2121	Glaziers	\$9.30	\$13.72	\$10.07	\$12.30	\$16.72
45-2041	Graders and Sorters, Agricultural Products	\$6.75*	\$6.75*	\$6.75*	\$6.75*	\$7.38
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$10.63	\$14.38	\$11.75	\$14.88	\$16.53
51-9022	Grinding and Polishing Workers, Hand	\$8.06	\$10.37	\$8.31	\$9.78	\$11.83

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$8.22	\$10.91	\$8.59	\$9.87	\$12.14
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.94	\$9.73	\$8.21	\$9.19	\$10.72
47-4041	Hazardous Materials Removal Workers	\$12.13	\$14.37	\$12.41	\$13.94	\$15.86
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$22.59	\$30.21	\$24.68	\$29.18	\$36.78
21-1091	Health Educators	\$9.40	\$15.35	\$10.20	\$14.07	\$17.20
29-0000	Healthcare Practitioners and Technical Occupations	\$13.02	\$25.36	\$15.88	\$23.28	\$31.43
31-0000	Healthcare Support Occupations	\$7.64	\$10.36	\$8.15	\$9.61	\$11.28
31-9099	Healthcare Support Workers, All Other	\$9.48	\$11.19	\$9.66	\$10.69	\$12.24
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$13.92	\$19.89	\$15.33	\$19.96	\$24.29
47-3019	Helpers, Construction Trades, All Other	\$8.04	\$9.64	\$8.06	\$8.85	\$10.43
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$9.51	\$12.42	\$10.74	\$12.77	\$14.26
47-3012	Helpers--Carpenters	\$8.23	\$9.59	\$8.08	\$8.75	\$10.39
47-3013	Helpers--Electricians	\$8.87	\$10.88	\$9.33	\$10.60	\$12.28
47-5081	Helpers--Extraction Workers	\$9.60	\$13.50	\$11.11	\$12.98	\$16.52
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$7.39	\$10.68	\$7.66	\$8.61	\$11.59
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$7.25	\$9.80	\$7.45	\$9.05	\$10.80
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$9.39	\$11.98	\$9.90	\$11.33	\$14.01
51-9198	Helpers--Production Workers	\$7.64	\$9.34	\$7.79	\$8.87	\$10.33
47-4051	Highway Maintenance Workers	\$13.72	\$16.64	\$14.41	\$16.26	\$17.79

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9031	Home Appliance Repairers	\$10.55	\$15.54	\$11.42	\$15.21	\$18.48
31-1011	Home Health Aides	\$6.75*	\$7.71	\$6.78	\$7.38	\$8.47
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.75*	\$7.07	\$6.75*	\$7.08	\$7.76
43-4081	Hotel, Motel, and Resort Desk Clerks	\$6.75*	\$7.64	\$6.75*	\$7.71	\$8.59
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$11.41	\$16.40	\$12.65	\$15.38	\$18.25
11-3040	Human Resources Managers	\$17.39	\$29.59	\$20.07	\$26.81	\$37.93
17-2112	Industrial Engineers	\$26.32	\$33.89	\$29.04	\$33.32	\$40.48
49-9041	Industrial Machinery Mechanics	\$13.99	\$23.32	\$17.31	\$24.51	\$28.91
11-3051	Industrial Production Managers	\$22.11	\$38.46	\$27.30	\$38.12	\$50.70
53-7051	Industrial Truck and Tractor Operators	\$7.90	\$11.38	\$8.42	\$10.40	\$13.54
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$8.64	\$15.83	\$9.70	\$13.39	\$20.55
49-0000	Installation, Maintenance, and Repair Occupations	\$9.83	\$16.90	\$11.41	\$15.86	\$21.51
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$8.18	\$16.14	\$9.25	\$15.67	\$22.17
25-9031	Instructional Coordinators	\$13.64	\$24.73	\$14.35	\$26.96	\$32.29
47-2130	Insulation Workers	\$9.26	\$13.04	\$9.91	\$11.61	\$16.67
41-3021	Insurance Sales Agents	\$11.89	\$24.69	\$13.06	\$18.20	\$32.96
27-3091	Interpreters and Translators	\$10.71	\$15.73	\$12.84	\$16.07	\$18.86
43-4111	Interviewers, Except Eligibility and Loan	\$8.24	\$15.67	\$8.73	\$11.71	\$23.88
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$6.75*	\$10.20	\$7.06	\$9.22	\$13.09
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$6.87	\$10.68	\$7.44	\$9.58	\$13.80
37-3011	Landscaping and Groundskeeping Workers	\$6.75*	\$10.48	\$7.12	\$8.80	\$11.64
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.76	\$14.19	\$9.78	\$14.17	\$18.68
51-6011	Laundry and Dry-Cleaning Workers	\$6.75*	\$8.09	\$6.91	\$7.71	\$9.15
23-2092	Law Clerks	\$9.02	\$14.37	\$11.34	\$14.34	\$18.33
23-1011	Lawyers	\$34.86	(3)	\$41.16	\$55.75	>\$70.00
23-0000	Legal Occupations	\$16.02	\$34.03	\$18.57	\$26.46	\$50.00
43-6012	Legal Secretaries	\$13.11	\$16.14	\$14.57	\$16.20	\$18.32
11-1031	Legislators	\$16.26	\$17.39	\$15.73	\$16.91	\$18.05
25-4021	Librarians	\$10.15	\$19.40	\$11.17	\$15.06	\$28.14
25-4031	Library Technicians	\$9.53	\$12.50	\$10.25	\$12.03	\$13.98
29-2061	Licensed Practical and Licensed Vocational Nurses	\$13.18	\$16.71	\$14.41	\$16.44	\$18.62
19-0000	Life, Physical, and Social Science Occupations	\$14.96	\$27.69	\$18.92	\$27.56	\$37.03
43-4131	Loan Interviewers and Clerks	\$11.23	\$14.54	\$11.92	\$14.27	\$17.04
13-2072	Loan Officers	\$15.01	\$24.90	\$16.23	\$19.90	\$25.83
49-9094	Locksmiths and Safe Repairers	\$7.96	\$14.93	\$8.69	\$14.01	\$20.43
11-9081	Lodging Managers	\$12.94	\$18.78	\$14.51	\$16.98	\$21.04
53-7063	Machine Feeders and Offbearers	\$7.73	\$9.43	\$7.70	\$8.54	\$10.07
51-4041	Machinists	\$9.89	\$16.35	\$11.49	\$15.73	\$20.07
37-2012	Maids and Housekeeping Cleaners	\$6.75*	\$7.24	\$6.75*	\$6.98	\$8.03

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$7.34	\$10.30	\$7.77	\$9.12	\$12.61
49-9042	Maintenance and Repair Workers, General	\$8.75	\$13.73	\$10.02	\$13.32	\$16.71
49-9043	Maintenance Workers, Machinery	\$11.12	\$16.44	\$12.22	\$13.97	\$22.30
13-1111	Management Analysts	\$23.50	\$36.50	\$26.54	\$33.22	\$43.63
11-0000	Management Occupations	\$18.27	\$34.52	\$21.90	\$31.51	\$44.96
11-9199	Managers, All Other	\$20.48	\$32.07	\$22.64	\$28.79	\$40.05
39-5092	Manicurists and Pedicurists	\$6.75*	\$6.94	\$6.75*	\$6.75*	\$7.43
19-3021	Market Research Analysts	\$13.78	\$23.54	\$15.09	\$20.20	\$29.58
11-2021	Marketing Managers	\$21.86	\$37.13	\$26.43	\$36.85	\$47.06
21-1013	Marriage and Family Therapists	\$17.82	\$22.50	\$18.48	\$20.92	\$27.23
31-9011	Massage Therapists	\$16.12	\$21.79	\$18.59	\$23.60	\$26.27
53-7199	Material Moving Workers, All Other	\$6.77	\$13.08	\$7.15	\$9.01	\$19.00
17-2131	Materials Engineers	\$23.54	\$31.19	\$25.29	\$30.80	\$37.39
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$8.11	\$10.73	\$8.15	\$9.05	\$13.11
17-3013	Mechanical Drafters	\$15.67	\$20.76	\$17.03	\$19.70	\$23.96
17-3027	Mechanical Engineering Technicians	\$18.08	\$29.38	\$18.88	\$21.47	\$35.44
17-2141	Mechanical Engineers	\$26.78	\$36.26	\$30.23	\$37.35	\$42.28
27-4099	Media and Communication Equipment Workers, All Other	\$13.03	\$24.22	\$17.41	\$25.36	\$31.72
27-3099	Media and Communication Workers, All Other	\$8.28	\$16.78	\$8.83	\$12.77	\$22.84
29-2012	Medical and Clinical Laboratory Technicians	\$10.67	\$17.01	\$11.79	\$14.81	\$23.44

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-2011	Medical and Clinical Laboratory Technologists	\$16.09	\$23.15	\$17.10	\$23.09	\$28.23
11-9111	Medical and Health Services Managers	\$17.69	\$32.24	\$20.46	\$31.30	\$41.29
21-1022	Medical and Public Health Social Workers	\$16.86	\$22.22	\$18.77	\$22.99	\$26.25
31-9092	Medical Assistants	\$8.39	\$10.79	\$8.86	\$10.32	\$12.30
31-9093	Medical Equipment Preparers	\$8.13	\$9.12	\$8.03	\$8.80	\$10.12
49-9062	Medical Equipment Repairers	\$9.88	\$11.47	\$10.02	\$11.13	\$12.82
29-2071	Medical Records and Health Information Technicians	\$7.58	\$11.73	\$8.32	\$10.22	\$15.55
43-6013	Medical Secretaries	\$9.04	\$11.40	\$9.46	\$10.64	\$12.80
31-9094	Medical Transcriptionists	\$12.55	\$15.67	\$13.70	\$15.52	\$17.18
21-1023	Mental Health and Substance Abuse Social Workers	\$12.54	\$18.14	\$14.44	\$19.24	\$21.64
27-1026	Merchandise Displayers and Window Trimmers	\$7.30	\$8.74	\$7.62	\$8.50	\$9.24
43-5041	Meter Readers, Utilities	\$15.38	\$19.91	\$17.05	\$20.37	\$22.70
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
49-9044	Millwrights	\$10.35	\$14.61	\$11.68	\$13.94	\$16.91
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$7.33	\$11.29	\$8.07	\$10.00	\$14.62
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$13.35	\$19.02	\$14.63	\$18.39	\$23.86
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plasti	\$8.01	\$10.01	\$9.00	\$9.98	\$10.99
39-3021	Motion Picture Projectionists	\$6.75*	\$7.70	\$6.75*	\$7.65	\$8.51
53-3099	Motor Vehicle Operators, All Other	\$9.39	\$13.71	\$11.67	\$13.57	\$16.16
49-3052	Motorcycle Mechanics	\$8.35	\$11.22	\$9.13	\$10.33	\$12.12

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$17.90	\$29.00	\$19.27	\$24.32	\$37.60
15-1071	Network and Computer Systems Administrators	\$17.08	\$24.93	\$18.94	\$24.71	\$29.65
15-1081	Network Systems and Data Communications Analysts	\$22.52	\$28.70	\$23.94	\$27.72	\$33.37
43-4141	New Accounts Clerks	\$9.86	\$11.32	\$9.80	\$10.77	\$12.49
27-3020	News Analysts, Reporters and Correspondents	\$8.71	\$17.34	\$9.52	\$13.18	\$18.63
39-2021	Nonfarm Animal Caretakers	\$6.75*	\$7.64	\$6.85	\$7.62	\$8.50
29-2033	Nuclear Medicine Technologists	\$23.83	\$25.56	\$24.21	\$26.01	\$27.80
51-4012	Numerical Tool and Process Control Programmers	\$19.54	\$21.55	\$19.72	\$21.27	\$22.87
31-1012	Nursing Aides, Orderlies, and Attendants	\$7.72	\$9.05	\$8.01	\$9.11	\$10.26
29-1064	Obstetricians and Gynecologists	\$57.28	(3)	\$69.02	>\$70.00	>\$70.00
29-9010	Occupational Health and Safety Specialists and Technicians	\$15.59	\$25.48	\$19.23	\$25.99	\$32.12
31-2012	Occupational Therapist Aides	\$9.94	\$17.01	\$11.19	\$13.61	\$25.75
31-2011	Occupational Therapist Assistants	\$9.77	\$19.67	\$11.10	\$23.45	\$25.83
29-1122	Occupational Therapists	\$19.94	\$27.24	\$24.22	\$28.06	\$32.75
43-0000	Office and Administrative Support Occupations	\$8.35	\$13.26	\$9.16	\$11.93	\$16.28
43-9061	Office Clerks, General	\$7.75	\$10.97	\$8.48	\$10.49	\$13.12
43-9071	Office Machine Operators, Except Computer	\$8.82	\$13.74	\$9.78	\$12.89	\$16.25
47-2073	Operating Engineers and Other Construction Equipment Operators	\$14.68	\$21.46	\$16.89	\$21.20	\$26.68
15-2031	Operations Research Analysts	\$28.84	\$37.51	\$32.56	\$38.19	\$42.92

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9083	Ophthalmic Laboratory Technicians	\$8.54	\$11.62	\$9.05	\$11.43	\$14.16
29-2081	Opticians, Dispensing	\$9.61	\$14.50	\$10.13	\$11.72	\$15.72
29-1041	Optometrists	\$34.54	\$45.66	\$37.88	\$48.71	\$53.94
43-4151	Order Clerks	\$7.40	\$13.24	\$8.18	\$11.00	\$15.48
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$9.92	\$12.95	\$10.89	\$12.58	\$14.26
51-9111	Packaging and Filling Machine Operators and Tenders	\$6.75*	\$10.94	\$7.05	\$9.18	\$13.47
53-7064	Packers and Packagers, Hand	\$6.75*	\$8.03	\$6.83	\$7.71	\$8.66
47-2141	Painters, Construction and Maintenance	\$9.62	\$14.62	\$10.53	\$13.24	\$17.57
51-9122	Painters, Transportation Equipment	\$9.00	\$13.85	\$9.68	\$13.98	\$16.73
23-2011	Paralegals and Legal Assistants	\$15.63	\$19.69	\$17.48	\$19.73	\$21.81
53-6021	Parking Lot Attendants	\$6.75*	\$7.86	\$7.08	\$7.85	\$8.63
41-2022	Parts Salespersons	\$7.77	\$12.93	\$8.52	\$12.58	\$16.31
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$12.12	\$19.65	\$13.73	\$16.59	\$23.60
43-3051	Payroll and Timekeeping Clerks	\$9.57	\$13.86	\$10.89	\$13.89	\$16.58
29-1065	Pediatricians, General	\$55.08	(3)	\$58.46	\$58.46	>\$70.00
39-9021	Personal and Home Care Aides	\$7.56	\$8.50	\$7.55	\$8.18	\$8.87
39-0000	Personal Care and Service Occupations	\$6.75*	\$9.80	\$7.11	\$8.47	\$10.73
39-9099	Personal Care and Service Workers, All Other	\$7.61	\$12.85	\$8.45	\$12.46	\$16.05
13-2052	Personal Financial Advisors	\$16.22	\$24.83	\$16.76	\$24.83	\$31.99
37-2021	Pest Control Workers	\$8.78	\$12.89	\$9.82	\$12.89	\$16.37

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-2171	Petroleum Engineers	\$27.33	\$38.49	\$29.58	\$37.60	\$46.99
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$18.37	\$23.42	\$21.11	\$23.96	\$27.02
29-1051	Pharmacists	\$35.61	\$41.53	\$38.49	\$42.34	\$46.21
31-9095	Pharmacy Aides	\$7.84	\$10.98	\$8.54	\$11.05	\$13.17
29-2052	Pharmacy Technicians	\$11.74	\$15.25	\$12.53	\$14.61	\$16.56
27-4021	Photographers	\$7.57	\$12.76	\$8.30	\$11.43	\$16.43
19-2099	Physical Scientists, All Other	\$23.25	\$37.93	\$30.44	\$39.43	\$48.25
31-2022	Physical Therapist Aides	\$6.86	\$8.83	\$7.40	\$9.07	\$10.43
31-2021	Physical Therapist Assistants	\$18.78	\$20.01	\$18.50	\$19.88	\$21.27
29-1123	Physical Therapists	\$22.86	\$29.85	\$24.78	\$28.38	\$33.10
29-1071	Physician Assistants	\$30.46	\$35.34	\$31.21	\$34.87	\$40.73
47-2151	Pipelayers	\$9.97	\$13.43	\$11.08	\$12.73	\$13.99
51-8099	Plant and System Operators, All Other	\$19.90	\$27.78	\$21.56	\$26.54	\$33.53
47-2161	Plasterers and Stucco Masons	\$10.36	\$16.81	\$11.56	\$17.38	\$20.88
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.99	\$14.75	\$12.07	\$15.19	\$17.32
47-2152	Plumbers, Pipefitters, and Steamfitters	\$11.67	\$17.72	\$13.84	\$17.90	\$21.68
29-1081	Podiatrists	\$30.79	\$38.23	\$30.33	\$33.01	\$41.00
43-5031	Police, Fire, and Ambulance Dispatchers	\$7.73	\$10.95	\$7.93	\$9.31	\$14.47
51-8013	Power Plant Operators	\$16.85	\$24.24	\$18.60	\$25.07	\$30.60
49-9069	Precision Instrument and Equipment Repairers, All Other	\$18.24	\$23.09	\$20.80	\$24.47	\$26.65

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-5022	Prepress Technicians and Workers	\$7.32	\$11.53	\$7.96	\$9.91	\$13.10
25-2011	Preschool Teachers, Except Special Education	\$7.10	\$10.14	\$7.47	\$8.80	\$12.92
51-5023	Printing Machine Operators	\$7.77	\$13.39	\$8.88	\$11.45	\$17.96
33-9021	Private Detectives and Investigators	\$11.72	\$17.06	\$12.63	\$14.72	\$19.85
43-3061	Procurement Clerks	\$10.81	\$16.08	\$12.84	\$16.45	\$19.53
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.87	\$14.79	\$8.61	\$12.43	\$19.44
51-9199	Production Workers, All Other	\$6.75*	\$13.76	\$6.91	\$12.16	\$20.53
43-5061	Production, Planning, and Expediting Clerks	\$12.27	\$18.80	\$14.38	\$18.40	\$21.87
11-9141	Property, Real Estate, and Community Association Managers	\$7.79	\$17.35	\$8.10	\$10.64	\$22.15
33-0000	Protective Service Occupations	\$12.07	\$21.75	\$16.10	\$23.85	\$27.43
29-2053	Psychiatric Technicians	\$17.51	\$19.13	\$18.07	\$19.45	\$20.84
29-1066	Psychiatrists	\$27.19	\$47.79	\$29.50	\$56.86	\$63.95
11-2031	Public Relations Managers	\$22.80	\$37.70	\$26.28	\$32.29	\$46.85
27-3031	Public Relations Specialists	\$13.39	\$22.27	\$16.99	\$22.44	\$27.79
53-7072	Pump Operators, Except Wellhead Pumpers	\$8.97	\$13.52	\$9.64	\$12.35	\$17.08
13-1021	Purchasing Agents and Buyers, Farm Products	\$19.25	\$25.17	\$19.37	\$21.33	\$24.29
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$16.71	\$27.56	\$19.88	\$28.08	\$34.69
11-3061	Purchasing Managers	\$18.19	\$35.90	\$21.06	\$30.65	\$50.81
29-2034	Radiologic Technologists and Technicians	\$12.44	\$17.85	\$14.57	\$16.61	\$20.26

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-9021	Real Estate Brokers	\$30.25	\$44.44	\$46.67	\$50.72	\$54.77
43-4171	Receptionists and Information Clerks	\$7.40	\$10.04	\$7.96	\$9.57	\$11.37
39-9032	Recreation Workers	\$6.75*	\$8.11	\$6.75*	\$7.07	\$8.48
29-1125	Recreational Therapists	\$9.72	\$15.59	\$11.00	\$15.41	\$20.26
49-3092	Recreational Vehicle Service Technicians	\$9.93	\$12.83	\$11.05	\$13.18	\$15.15
53-7081	Refuse and Recyclable Material Collectors	\$10.34	\$13.27	\$12.14	\$13.70	\$15.25
29-1111	Registered Nurses	\$22.42	\$27.31	\$23.68	\$27.56	\$31.65
39-9041	Residential Advisors	\$8.05	\$11.76	\$9.40	\$11.38	\$14.98
29-1126	Respiratory Therapists	\$15.78	\$20.33	\$16.66	\$19.83	\$24.35
41-2031	Retail Salespersons	\$6.75*	\$9.84	\$6.98	\$8.12	\$10.67
47-2181	Roofers	\$8.05	\$12.89	\$8.56	\$12.23	\$16.18
47-5012	Rotary Drill Operators, Oil and Gas	\$18.83	\$20.99	\$19.18	\$20.92	\$22.66
47-5071	Roustabouts, Oil and Gas	\$10.00	\$14.33	\$10.54	\$13.36	\$17.55
41-0000	Sales and Related Occupations	\$6.75*	\$12.71	\$7.08	\$8.92	\$15.42
41-9031	Sales Engineers	\$22.92	\$32.86	\$25.29	\$29.84	\$35.78
11-2022	Sales Managers	\$23.65	\$39.22	\$27.36	\$34.51	\$50.04
41-3099	Sales Representatives, Services, All Other	\$12.10	\$21.97	\$14.84	\$24.09	\$27.09
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$13.08	\$23.14	\$14.81	\$21.47	\$28.47
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$15.53	\$25.46	\$17.51	\$24.32	\$28.24

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$9.22	\$13.35	\$10.29	\$13.09	\$16.28
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$13.87	\$27.80	\$15.38	\$20.92	\$39.25
33-9032	Security Guards	\$6.85	\$10.71	\$7.19	\$8.52	\$13.61
25-3021	Self-Enrichment Education Teachers	\$7.01	\$10.13	\$7.41	\$8.61	\$12.02
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$15.78	\$19.08	\$18.55	\$20.08	\$21.61
53-6031	Service Station Attendants	\$7.29	\$8.21	\$7.27	\$7.91	\$8.61
47-5013	Service Unit Operators, Oil, Gas, and Mining	\$14.02	\$19.96	\$16.54	\$19.54	\$23.75
51-6031	Sewing Machine Operators	\$7.64	\$8.07	\$7.36	\$7.83	\$8.32
47-2211	Sheet Metal Workers	\$13.02	\$18.10	\$14.83	\$17.78	\$21.54
43-5071	Shipping, Receiving, and Traffic Clerks	\$7.53	\$11.05	\$8.28	\$10.04	\$12.56
11-9151	Social and Community Service Managers	\$14.10	\$20.14	\$15.26	\$17.83	\$24.04
21-1093	Social and Human Service Assistants	\$8.63	\$14.60	\$9.13	\$12.05	\$17.08
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$19.20	\$27.26	\$21.84	\$27.02	\$32.32
51-8021	Stationary Engineers and Boiler Operators	\$19.66	\$26.44	\$24.72	\$28.57	\$31.67
43-5081	Stock Clerks and Order Fillers	\$7.51	\$11.46	\$8.01	\$9.90	\$13.92
47-2221	Structural Iron and Steel Workers	\$11.90	\$18.77	\$13.20	\$16.53	\$22.44

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-2041	Structural Metal Fabricators and Fitters	\$14.99	\$21.76	\$16.70	\$20.72	\$28.33
29-1067	Surgeons	\$60.81	\$62.36	\$58.46	\$61.63	\$66.85
29-2055	Surgical Technologists	\$12.71	\$16.12	\$13.84	\$16.05	\$18.53
17-3031	Surveying and Mapping Technicians	\$16.77	\$24.01	\$19.54	\$24.56	\$28.60
17-1022	Surveyors	\$14.71	\$23.59	\$16.92	\$23.31	\$30.95
43-2011	Switchboard Operators, Including Answering Service	\$7.95	\$10.44	\$8.67	\$10.14	\$11.56
47-2082	Tapers	\$10.41	\$15.09	\$12.58	\$14.65	\$18.86
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$21.22	\$27.19	\$23.03	\$27.48	\$32.21
13-2082	Tax Preparers	\$15.01	\$17.12	\$15.27	\$16.91	\$19.27
53-3041	Taxi Drivers and Chauffeurs	\$7.10	\$9.16	\$8.00	\$9.46	\$10.46
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.83	\$11.04	\$8.52	\$10.62	\$12.88
27-3042	Technical Writers	\$20.50	\$28.01	\$22.05	\$27.31	\$32.98
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$13.95	\$22.58	\$16.56	\$22.74	\$26.57
49-9052	Telecommunications Line Installers and Repairers	\$16.27	\$22.49	\$22.03	\$24.77	\$26.84
41-9041	Telemarketers	\$6.91	\$8.92	\$7.23	\$8.25	\$9.29
43-3071	Tellers	\$8.12	\$9.82	\$8.46	\$9.60	\$10.91
47-2044	Tile and Marble Setters	\$10.50	\$15.78	\$10.97	\$14.58	\$20.64
49-3093	Tire Repairers and Changers	\$6.94	\$10.53	\$7.46	\$9.59	\$13.33
13-1073	Training and Development Specialists	\$12.45	\$19.28	\$13.29	\$17.41	\$23.47

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-0000	Transportation and Material Moving Occupations	\$7.19	\$12.35	\$7.90	\$11.01	\$15.68
53-6099	Transportation Workers, All Other	\$9.05	\$25.15	\$9.23	\$29.48	\$37.85
11-3071	Transportation, Storage, and Distribution Managers	\$19.52	\$30.79	\$22.13	\$29.61	\$35.37
41-3041	Travel Agents	\$6.80	\$10.43	\$7.08	\$9.61	\$13.22
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$11.65	\$16.31	\$13.60	\$16.26	\$19.48
53-3033	Truck Drivers, Light or Delivery Services	\$7.81	\$12.35	\$8.66	\$11.27	\$15.19
51-6093	Upholsterers	\$8.78	\$10.68	\$9.25	\$10.50	\$12.00
19-3051	Urban and Regional Planners	\$22.04	\$29.71	\$24.34	\$28.53	\$34.45
29-1131	Veterinarians	\$25.63	\$36.98	\$27.68	\$32.78	\$40.53
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$6.75*	\$8.72	\$7.12	\$8.15	\$10.60
29-2056	Veterinary Technologists and Technicians	\$8.87	\$11.71	\$9.56	\$11.73	\$13.49
25-1194	Vocational Education Teachers, Postsecondary	\$14.78	\$23.67	\$16.51	\$22.77	\$28.51
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.75*	\$7.52	\$6.75*	\$7.20	\$8.00
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$13.44	\$19.31	\$14.90	\$17.98	\$24.24
51-4121	Welders, Cutters, Solderers, and Brazers	\$11.02	\$16.67	\$12.23	\$15.50	\$19.24
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$9.56	\$12.77	\$10.70	\$12.53	\$13.96
53-7073	Wellhead Pumpers	\$11.77	\$17.63	\$13.46	\$17.95	\$22.14
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$9.56	\$14.73	\$11.06	\$13.23	\$16.49

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$7.84	\$10.86	\$8.56	\$10.07	\$11.80
43-9022	Word Processors and Typists	\$8.16	\$13.55	\$9.39	\$12.95	\$16.85
27-3043	Writers and Authors	\$9.80	\$22.10	\$12.18	\$23.05	\$32.47

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
 - (4) An estimate of employment could not be provided.
 - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- * The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Projections & Planning Information

Module F:

Social & Economic Data

Table of Contents

PAGE

Module F: Social / Economic Data

Introduction.....	
Public Assistance Recipients by Program.....	F-1
Public Assistance Recipients by Program (CalWORKs) Characteristics of Recipients, 16 Years and Older.....	F-2
Occupations with the Greatest Absolute Job Growth.....	F-3
Lower Living Standard Income Levels and Poverty Guidelines.....	F-4
Planning Information for Local Workforce Investment Areas, Selected Characteristics by Age.....	F-7
Profile of General Demographic Characteristics.....	
Explanation of Terms and Concepts.....	F-9

Other Labor Market Information

Nondiscrimination Information.....	F-11
------------------------------------	------

Introduction

The purpose of this study is to investigate the effects of various factors on the performance of a system. The study is divided into several sections, each focusing on a different aspect of the system's performance. The first section discusses the overall system architecture and the various components that make up the system. The second section focuses on the input data and how it is processed by the system. The third section discusses the output of the system and how it is used by the user. The fourth section discusses the various factors that can affect the system's performance, such as hardware, software, and human factors. The fifth section discusses the results of the study and the conclusions that can be drawn from the data. The sixth section discusses the implications of the study for future research and for the design of similar systems. The seventh section discusses the limitations of the study and the areas that need further research. The eighth section discusses the acknowledgments of the people and organizations that helped with the study. The ninth section discusses the references used in the study. The tenth section discusses the appendices, which contain additional data and information related to the study.

Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

TABLE 1
PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM
2000 - 2002
KERN COUNTY

Recipients by Program	July			CALIFORNIA
	2000	2001	2002	July 2002
California Work Opportunity and Responsibility To Kids (CalWORKs) (a)	50,892	46,931	43,016	1,331,704
Adults	12,553	11,204	9,282	297,063
Children	38,339	35,727	33,734	1,034,641
Food Stamps (b)	52,382	50,317	53,180	1,529,445
General Relief (c)	334	289	212	95,718
Refugee Cash Assistance (d)	0	2	0	1,362
Welfare to Work (e)	12,678	11,160	10,535	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

TABLE 2
PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)
CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER
2000 - 2002
KERN COUNTY

Characteristics	July			CALIFORNIA
	2000	2001	2002	July 2002
Total Recipients 16+ (a) (b)	17,630	16,250	14,900	461,210
Male	3,380	3,110	2,850	88,310
Female	14,260	13,140	12,050	373,040
16-20.	3,720	3,430	3,140	97,300
21-44	12,570	11,580	10,620	328,710
45-54	1,080	990	910	28,150
55+	280	250	230	7,200
White (Not Hispanic)	6,930	5,990	5,340	113,140
Black (Not Hispanic)	2,820	2,450	2,140	101,960
Hispanic	7,580	7,510	7,130	206,470
Asian & Pacific Islander	140	130	120	33,350
American Indian	100	90	100	3,290
Filipino	60	70	70	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>
 See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

TABLE 3
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
KERN COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
63017	CORRECTION OFFICERS, JAILERS	2,900	3,760	860	29.7	\$46,557	\$23.79
31521	TEACHER AIDES, PARAPROFESSIONAL	2,800	3,510	710	25.4	(4)	(4)
49023	CASHIERS	5,940	6,530	590	9.9	\$17,893	\$7.25
31308	TEACHERS--SECONDARY SCHOOL	2,860	3,370	510	17.8	\$52,868	(5)
31305	TEACHERS--ELEMENTARY SCHOOL	4,790	5,270	480	10.0	\$49,978	(5)
55347	GENERAL OFFICE CLERKS	5,500	5,960	460	8.4	\$22,821	\$10.49
97102	TRUCK DRIVERS, HEAVY	3,480	3,900	420	12.1	\$33,915	\$16.26
32502	REGISTERED NURSES	3,160	3,570	410	13.0	\$56,790	\$27.56
19005	GENERAL MANAGERS, TOP EXECUTIVES	4,700	5,060	360	7.7	(6)	(6)
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	750	1,070	320	42.7	\$65,464	\$32.28
49011	SALESPERSONS, RETAIL	5,130	5,440	310	6.0	\$20,472	\$8.12
97105	TRUCK DRIVERS, LIGHT	2,010	2,230	220	10.9	\$25,672	\$11.27
98902	HAND PACKERS AND PACKAGERS	1,400	1,620	220	15.7	\$16,697	\$7.71
63014	POLICE PATROL OFFICERS	880	1,070	190	21.6	\$55,689	\$26.62
25104	COMPUTER SUPPORT SPECIALISTS	410	580	170	41.5	\$39,787	\$18.00
31311	TEACHERS--SPECIAL EDUCATION	630	790	160	25.4	(7)	(7)
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,660	1,820	160	9.6	\$18,842	\$9.11
32102	PHYSICIANS AND SURGEONS	1,150	1,300	150	13.0	\$129,694	\$61.63
63047	GUARDS AND WATCH GUARDS	1,340	1,490	150	11.2	\$22,276	\$8.52
55305	RECEPTIONISTS, INFORMATION CLERKS	1,940	2,080	140	7.2	\$20,873	\$9.57

Source: Employment Development Department, Labor Market Information Division,
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at www.calmis.ca.gov

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the Bakersfield Metropolitan Statistical Area (MSA), which includes Kern County.

(4) Teacher Aides, Paraprofessional - Include the following Occupations:

Teacher Assistants, SOC Code 25-9041, Mean Annual Wage \$22,615 - Median Hourly Wage See (5)

Education, Training, and Library Workers, All Other, SOC Code 25-9199, Mean Annual Wage \$20,301 - Median Hourly Wage \$7.21

(5) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.

(6) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (6a) - Median Hourly Wage \$59.60;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$72,356 - Median Hourly Wage \$34.13;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$81,585 - Median Hourly Wage \$34.51;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(6a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(7) Teachers Special Education - Include the following Occupations:

Special Education Teachers, Preschool, Kindergarten, Elementary School, SOC 25-2041, Mean Annual Wage \$54,687 - Median Hourly Wage See (5)

Special Education Teachers, Middle School, SOC 25-2042, Mean Annual Wage \$49,070 - Median Hourly Wage See (5)

Special Education Teachers, Secondary School, SOC 25-2043, Mean Annual Wage \$55,391 - Median Hourly Wage See (5)

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 1 — San Diego Metropolitan Statistical Area

San Diego							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area

Anaheim	Los Angeles County				San Bernardino County		
Carson/Lomita/Torrance	Orange County				SELACO		
Foothill	Riverside County				South Bay		
Long Beach	Santa Ana				Ventura		
Los Angeles City	San Bernardino City				Verdugo		
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area

Alameda	Oakland						Santa Cruz
Contra Costa	Richmond						Solano
Marin	San Francisco						Sonoma
Napa	San Jose						
NOVA	San Mateo						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 4 — Other Metropolitan Areas

Fresno	NoRTEC						Stanislaus
Golden Sierra	North Central						Tulare
Kern/Inyo/Mono	Sacramento						Yolo
Merced	San Joaquin						
Monterey	Santa Barbara						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 5 — Nonmetropolitan Areas

Humboldt	Mother Lode						
Imperial	San Benito						
Kings	San Luis Obispo						
Madera							
Mendocino							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive,
Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: INYO-MONO-KERN COUNTIES

JURISDICTIONS INCLUDED: INYO, KERN AND MONO COUNTIES – CONSORTIUM

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)		
EMPLOYED		275,834
UNEMPLOYED		33,913
UNEMPLOYMENT RATE		10.9
NOT IN LABOR FORCE (2)		200,160
2002 VETERAN INFORMATION		
TOTAL VETERANS (3)		45,628
MALE		42,982
FEMALE		2,646
VIETNAM ERA VETERANS - CENSUS 2000 (4)		18,180
DISABLED VETERANS (5)		4,940
OFFENDERS (6)		11,013

1990 CENSUS (7)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 13.4

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (8)

	14 - 15 (9)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	4,343	100.0	10,969	100.0	43,532	100.0	8,873	100.0	63,374	100.0
BY RACE:										
WHITE NOT HISPANIC	1,388	31.9	3,892	35.5	17,770	40.8	5,453	61.5	27,115	42.8
BLACK NOT HISPANIC	310	7.1	811	7.4	3,621	8.3	929	10.5	5,361	8.5
AMERICAN INDIAN NOT HISP	0	0	125	1.1	651	1.5	124	1.4	900	1.4
ASIAN NOT HISPANIC	194	4.5	210	1.9	1,187	2.7	348	3.9	1,745	2.8
PACIFIC ISLAND NOT HISP	0	0	0	0	84	0.2	0	0	84	0.1
HISPANIC	2,452	56.5	5,931	54.1	20,219	46.4	2,019	22.8	28,169	44.4
BY SEX:										
MALE	1,876	43.2	4,939	45.0	17,543	40.3	3,679	41.5	26,161	41.3
FEMALE	2,467	56.8	6,030	55.0	25,989	59.7	5,194	58.5	37,213	58.7
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	304	7.0	3,843	35.0	24,281	55.8	5,910	66.6	34,034	53.7
GRADUATES	0	0	543	4.9	6,928	15.9	1,195	13.5	8,666	13.7
STUDENTS	1,875	43.2	3,561	32.5	1,243	2.9	95	1.1	4,899	7.7
DISABLED	67	1.6	648	5.9	7,367	16.9	3,829	43.2	11,844	18.7
LIMITED ENGLISH PROF	220	5.1	1,216	11.1	8,892	20.4	908	10.2	11,016	17.4

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division,
Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (8) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (9) Data are not included in **Total 16 - 72** column.

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: Kern County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population.....	661,645	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population.....	661,645	100.0
Male.....	339,382	51.3	Hispanic or Latino (of any race).....	254,036	38.4
Female.....	322,263	48.7	Mexican.....	210,828	31.9
Under 5 years.....	55,707	8.4	Puerto Rican.....	2,811	0.4
5 to 9 years.....	61,659	9.3	Cuban.....	469	0.1
10 to 14 years.....	59,544	9.0	Other Hispanic or Latino.....	39,928	6.0
15 to 19 years.....	55,224	8.3	Not Hispanic or Latino.....	407,609	61.6
20 to 24 years.....	46,811	7.1	White alone.....	327,190	49.5
25 to 34 years.....	93,251	14.1	RELATIONSHIP		
35 to 44 years.....	103,676	15.7	Total population.....	661,645	100.0
45 to 54 years.....	76,557	11.6	In households.....	631,675	95.5
55 to 59 years.....	26,239	4.0	Householder.....	208,652	31.5
60 to 64 years.....	20,923	3.2	Spouse.....	114,025	17.2
65 to 74 years.....	34,287	5.2	Child.....	228,820	34.6
75 to 84 years.....	21,310	3.2	Own child under 18 years.....	185,093	28.0
85 years and over.....	6,457	1.0	Other relatives.....	47,664	7.2
Median age (years).....	30.6	(X)	Under 18 years.....	20,741	3.1
18 years and over.....	450,266	68.1	Nonrelatives.....	32,514	4.9
Male.....	230,933	34.9	Unmarried partner.....	13,117	2.0
Female.....	219,333	33.1	In group quarters.....	29,970	4.5
21 years and over.....	419,693	63.4	Institutionalized population.....	26,278	4.0
62 years and over.....	74,087	11.2	Noninstitutionalized population.....	3,692	0.6
65 years and over.....	62,054	9.4	HOUSEHOLD BY TYPE		
Male.....	26,907	4.1	Total households.....	208,652	100.0
Female.....	35,147	5.3	Family households (families).....	156,401	75.0
RACE			With own children under 18 years.....	88,134	42.2
One race.....	634,228	95.9	Married-couple family.....	114,025	54.6
White.....	407,581	61.6	With own children under 18 years.....	60,737	29.1
Black or African American.....	39,798	6.0	Female householder, no husband present.....	30,262	14.5
American Indian and Alaska Native.....	9,999	1.5	With own children under 18 years.....	20,161	9.7
Asian.....	22,268	3.4	Nonfamily households.....	52,251	25.0
Asian Indian.....	4,339	0.7	Householder living alone.....	42,379	20.3
Chinese.....	1,874	0.3	Householder 65 years and over.....	16,243	7.8
Filipino.....	10,664	1.6	Households with individuals under 18 years.....	97,731	46.8
Japanese.....	964	0.1	Households with individuals 65 years and over.....	44,993	21.6
Korean.....	1,495	0.2	Average household size.....	3.03	(X)
Vietnamese.....	803	0.1	Average family size.....	3.50	(X)
Other Asian ¹	2,129	0.3	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	972	0.1	Total housing units.....	231,564	100.0
Native Hawaiian.....	250	-	Occupied housing units.....	208,652	90.1
Guamanian or Chamorro.....	296	-	Vacant housing units.....	22,912	9.9
Samoan.....	225	-	For seasonal, recreational, or		
Other Pacific Islander ²	201	-	occasional use.....	5,738	2.5
Some other race.....	153,610	23.2	Homeowner vacancy rate (percent).....	2.6	(X)
Two or more races.....	27,417	4.1	Rental vacancy rate (percent).....	8.2	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races:³			Occupied housing units.....	208,652	100.0
White.....	430,745	65.1	Owner-occupied housing units.....	129,609	62.1
Black or African American.....	43,735	6.6	Renter-occupied housing units.....	79,043	37.9
American Indian and Alaska Native.....	17,399	2.6	Average household size of owner-occupied units.....	3.02	(X)
Asian.....	27,500	4.2	Average household size of renter-occupied units.....	3.04	(X)
Native Hawaiian and Other Pacific Islander.....	1,878	0.3			
Some other race.....	169,328	25.6			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Kern County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school	205,960	100.0	Total population	661,645	100.0
Nursery school, preschool	10,103	4.9	Native	549,701	83.1
Kindergarten	11,992	5.8	Born in United States	538,187	81.3
Elementary school (grades 1-8)	98,883	48.0	State of residence	397,113	60.0
High school (grades 9-12)	50,421	24.5	Different state	141,074	21.3
College or graduate school	34,561	16.8	Born outside United States	11,514	1.7
EDUCATIONAL ATTAINMENT			Foreign born	111,944	16.9
Population 25 years and over	383,667	100.0	Entered 1990 to March 2000	41,752	6.3
Less than 9th grade	57,706	15.0	Naturalized citizen	33,590	5.1
9th to 12th grade, no diploma	63,275	16.5	Not a citizen	78,354	11.8
High school graduate (includes equivalency)	97,344	25.4	REGION OF BIRTH OF FOREIGN BORN		
Some college, no degree	88,776	23.1	Total (excluding born at sea)	111,944	100.0
Associate degree	24,697	6.4	Europe	3,744	3.3
Bachelor's degree	34,739	9.1	Asia	15,668	14.0
Graduate or professional degree	17,130	4.5	Africa	814	0.7
Percent high school graduate or higher	68.5	(X)	Oceania	274	0.2
Percent bachelor's degree or higher	13.5	(X)	Latin America	89,743	80.2
MARITAL STATUS			Northern America	1,701	1.5
Population 15 years and over	484,825	100.0	LANGUAGE SPOKEN AT HOME		
Never married	120,934	24.9	Population 5 years and over	606,633	100.0
Now married, except separated	275,209	56.8	English only	404,239	66.6
Separated	13,120	2.7	Language other than English	202,394	33.4
Widowed	29,590	6.1	Speak English less than "very well"	101,022	16.7
Female	21,420	4.4	Spanish	175,849	29.0
Divorced	45,972	9.5	Speak English less than "very well"	89,601	14.8
Female	26,283	5.4	Other Indo-European languages	8,444	1.4
GRANDPARENTS AS CAREGIVERS			Speak English less than "very well"	2,950	0.5
Grandparent living in household with one or more own grandchildren under 18 years	18,671	100.0	Asian and Pacific Island languages	15,525	2.6
Grandparent responsible for grandchildren	8,273	44.3	Speak English less than "very well"	7,480	1.2
VETERAN STATUS			ANCESTRY (single or multiple)		
Civilian population 18 years and over ..	447,435	100.0	Total population	661,645	100.0
Civilian veterans	54,403	12.2	Total ancestries reported	617,827	93.4
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Arab	2,030	0.3
Population 5 to 20 years	183,308	100.0	Czech ¹	1,202	0.2
With a disability	15,912	8.7	Danish	3,175	0.5
Population 21 to 64 years	333,186	100.0	Dutch	8,593	1.3
With a disability	85,318	25.6	English	44,904	6.8
Percent employed	47.7	(X)	French (except Basque) ¹	13,049	2.0
No disability	247,868	74.4	French Canadian ¹	2,390	0.4
Percent employed	67.8	(X)	German	62,572	9.5
Population 65 years and over	60,264	100.0	Greek	1,324	0.2
With a disability	28,394	47.1	Hungarian	787	0.1
RESIDENCE IN 1995			Irish ¹	47,601	7.2
Population 5 years and over	606,633	100.0	Italian	15,964	2.4
Same house in 1995	286,630	47.2	Lithuanian	306	-
Different house in the U.S. in 1995	298,136	49.1	Norwegian	5,958	0.9
Same county	211,684	34.9	Polish	4,576	0.7
Different county	86,452	14.3	Portuguese	2,476	0.4
Same state	63,403	10.5	Russian	1,741	0.3
Different state	23,049	3.8	Scotch-Irish	7,006	1.1
Elsewhere in 1995	21,867	3.6	Scottish	8,806	1.3
			Slovak	191	-
			Subsaharan African	2,218	0.3
			Swedish	6,437	1.0
			Swiss	1,216	0.2
			Ukrainian	398	0.1
			United States or American	37,362	5.6
			Welsh	3,279	0.5
			West Indian (excluding Hispanic groups)	479	0.1
			Other ancestries	331,787	50.1

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Kern County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	231,564	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	208,652	100.0
1-unit, detached	156,358	67.5	1.00 or less	177,301	85.0
1-unit, attached	8,383	3.6	1.01 to 1.50	14,987	7.2
2 units	6,965	3.0	1.51 or more	16,364	7.8
3 or 4 units	13,498	5.8			
5 to 9 units	6,832	3.0	Specified owner-occupied units	109,487	100.0
10 to 19 units	3,759	1.6	VALUE		
20 or more units	12,711	5.5	Less than \$50,000	7,113	6.5
Mobile home	22,483	9.7	\$50,000 to \$99,999	55,771	50.9
Boat, RV, van, etc	575	0.2	\$100,000 to \$149,999	28,666	26.2
			\$150,000 to \$199,999	10,149	9.3
YEAR STRUCTURE BUILT			\$200,000 to \$299,999	5,384	4.9
1999 to March 2000	4,849	2.1	\$300,000 to \$499,999	2,002	1.8
1995 to 1998	15,788	6.8	\$500,000 to \$999,999	321	0.3
1990 to 1994	23,240	10.0	\$1,000,000 or more	81	0.1
1980 to 1989	47,586	20.5	Median (dollars)	93,300	(X)
1970 to 1979	46,263	20.0			
1960 to 1969	32,622	14.1	MORTGAGE STATUS AND SELECTED		
1940 to 1959	48,848	21.1	MONTHLY OWNER COSTS		
1939 or earlier	12,368	5.3	With a mortgage	84,946	77.6
			Less than \$300	480	0.4
ROOMS			\$300 to \$499	4,063	3.7
1 room	5,996	2.6	\$500 to \$699	11,161	10.2
2 rooms	15,475	6.7	\$700 to \$999	28,063	25.6
3 rooms	28,400	12.3	\$1,000 to \$1,499	27,901	25.5
4 rooms	40,197	17.4	\$1,500 to \$1,999	9,235	8.4
5 rooms	56,261	24.3	\$2,000 or more	4,043	3.7
6 rooms	45,595	19.7	Median (dollars)	986	(X)
7 rooms	22,272	9.6	Not mortgaged	24,541	22.4
8 rooms	11,148	4.8	Median (dollars)	267	(X)
9 or more rooms	6,220	2.7			
Median (rooms)	5.0	(X)	SELECTED MONTHLY OWNER COSTS		
			AS A PERCENTAGE OF HOUSEHOLD		
Occupied housing units	208,652	100.0	INCOME IN 1999		
YEAR HOUSEHOLDER MOVED INTO UNIT			Less than 15.0 percent	33,148	30.3
1999 to March 2000	49,856	23.9	15.0 to 19.9 percent	18,456	16.9
1995 to 1998	62,883	30.1	20.0 to 24.9 percent	15,281	14.0
1990 to 1994	35,889	17.2	25.0 to 29.9 percent	11,704	10.7
1980 to 1989	30,956	14.8	30.0 to 34.9 percent	7,647	7.0
1970 to 1979	16,164	7.7	35.0 percent or more	22,146	20.2
1969 or earlier	12,904	6.2	Not computed	1,105	1.0
VEHICLES AVAILABLE			Specified renter-occupied units	78,400	100.0
None	21,732	10.4	GROSS RENT		
1	70,717	33.9	Less than \$200	1,966	2.5
2	79,425	38.1	\$200 to \$299	4,159	5.3
3 or more	36,778	17.6	\$300 to \$499	27,936	35.6
			\$500 to \$749	27,016	34.5
HOUSE HEATING FUEL			\$750 to \$999	9,335	11.9
Utility gas	150,938	72.3	\$1,000 to \$1,499	2,804	3.6
Bottled, tank, or LP gas	13,597	6.5	\$1,500 or more	533	0.7
Electricity	38,340	18.4	No cash rent	4,651	5.9
Fuel oil, kerosene, etc	152	0.1	Median (dollars)	518	(X)
Coal or coke	53	-			
Wood	3,903	1.9	GROSS RENT AS A PERCENTAGE OF		
Solar energy	118	0.1	HOUSEHOLD INCOME IN 1999		
Other fuel	608	0.3	Less than 15.0 percent	12,164	15.5
No fuel used	943	0.5	15.0 to 19.9 percent	10,313	13.2
			20.0 to 24.9 percent	9,190	11.7
SELECTED CHARACTERISTICS			25.0 to 29.9 percent	7,119	9.1
Lacking complete plumbing facilities	1,507	0.7	30.0 to 34.9 percent	5,833	7.4
Lacking complete kitchen facilities	1,909	0.9	35.0 percent or more	27,373	34.9
No telephone service	5,519	2.6	Not computed	6,408	8.2

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Explanation Of Terms And Concepts

American Indian and Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

Black or African American: A person having origins in any of the Black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic: Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

Native Hawaiian and Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

Some Other Race: Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

Two or More Races: Refers to a classification of census respondents who chose to provide two or more races.

Veteran: A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran: A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

Welfare-To-Work Program: The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.



C124914555

On Of Terms

And Concepts

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...